

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 429.41 Seconds
(without alignments)
7762.041 Million cell updates/sec

Title: US-09-402-713C-1

Perfect score: 2037

Sequence: 1 agaagctgcatcagaaaaa.....caataaagaattacaaga 2037

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2032	99.8	3923	4	US-09-636-215-690
2	2032	99.8	3923	4	US-09-685-166A-690
3	2032	99.8	3923	4	US-09-679-426-690
4	2032	99.8	3923	4	US-09-759-143-690
5	2032	99.8	3923	4	US-09-651-236-690
6	1737.8	85.3	3112	3	US-09-439-313-468
7	1737.8	85.3	3112	3	US-09-352-616A-468
8	1737.8	85.3	3112	4	US-09-636-215-468
9	1737.8	85.3	3112	4	US-09-685-166A-468
10	1737.8	85.3	3112	4	US-09-679-426-468
11	1737.8	85.3	3112	4	US-09-759-143-468
12	1737.8	85.3	3112	4	US-09-651-236-468
13	1731.4	85.0	2426	3	US-09-439-313-470
14	1731.4	85.0	2426	3	US-09-352-616A-470
15	1731.4	85.0	2426	4	US-09-636-215-470
16	1731.4	85.0	2426	4	US-09-685-166A-470
17	1731.4	85.0	2426	4	US-09-679-426-470
18	1731.4	85.0	2426	4	US-09-759-143-470
19	1731.4	85.0	2426	4	US-09-651-236-470
20	1712.4	84.1	2229	3	US-09-439-313-469
21	1712.4	84.1	2229	3	US-09-352-616A-469
22	1712.4	84.1	2229	4	US-09-636-215-469
23	1712.4	84.1	2229	4	US-09-685-166A-469
24	1712.4	84.1	2229	4	US-09-679-426-469
25	1712.4	84.1	2229	4	US-09-759-143-469
26	1712.4	84.1	2229	4	US-09-651-236-469
27	722.4	35.5	812	3	US-09-439-313-471

C	28	722.4	35.5	812	3	US-09-352-616A-471	Sequence 471, App
C	29	722.4	35.5	812	4	US-09-636-215-471	Sequence 471, App
C	30	722.4	35.5	812	4	US-09-685-166A-471	Sequence 471, App
C	31	722.4	35.5	812	4	US-09-679-426-471	Sequence 471, App
C	32	722.4	35.5	812	4	US-09-759-143-471	Sequence 471, App
C	33	722.4	35.5	812	4	US-09-651-236-471	Sequence 471, App
C	34	457.2	22.4	718	3	US-09-439-313-313	Sequence 313, App
C	35	457.2	22.4	718	3	US-09-636-215-313	Sequence 313, App
C	36	457.2	22.4	718	3	US-09-685-166A-313	Sequence 313, App
C	37	457.2	22.4	718	4	US-09-679-426-313	Sequence 313, App
C	38	457.2	22.4	718	4	US-09-759-143-313	Sequence 313, App
C	39	457.2	22.4	718	4	US-09-651-236-313	Sequence 313, App
C	40	457.2	22.4	718	4	US-09-621-976-15110	Sequence 15110, A
C	41	457.2	22.4	718	4	US-09-513-999C-10843	Sequence 10843, A
C	42	457.2	22.4	718	4	US-09-439-313-287	Sequence 287, App
C	43	319.6	15.7	437	4	US-09-636-215-690	
C	44	288.4	14.2	301	3	US-09-685-166A-690	
C	45	288.4	14.2	301	3	US-09-679-426-690	

ALIGNMENTS

RESULT 1
US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Panger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match 99.8%; Score 2032; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY	1	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACACAG	60
DB	23	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACACAG	82
QY	61	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTACAACACATATCTTAG	120
DB	83	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTACAACACATATCTTAG	142
QY	121	TGTTTCAATGAACACCAAGATAAATAGTGAAGACTAGTCGCTGTGAGTCTCTCAGT	180
DB	143	TGTTTCAATGAACACCAAGATAAATAGTGAAGACTAGTCGCTGTGAGTCTCTCAGT	202

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; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-685-166A-690

Query Match          99.8%; Score 2032; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 60
DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 82
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QY 301 GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAAATA 360
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QY 781 CTGCTGCTTAAACTGTCGCTTCATACCAAAATCATTTTCATATTTCTAACCCCTCAAAACA 840
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1523 CCTTGAACATGTGAGGNCATACATTTCTCTGCTGCTGAGAGCTCTTCTCTTGTCTCTT 1582
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1943 TACTGTCTATCTATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 2002
1981 GGGCACTCTGTGAGGCACTTTAGGTTTCACTCTGCGCAATTAAGAAATTTACAAAGA 2037
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RESULT 4
US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqul
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien

US-09-759-143-690
Query Match 99.8%; Score 2032; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGAGGACCCAG 60
DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGAGGACCCAG 82
QY 61 GAAAGATCTGCATGCTGGGAGGAGCTGATGATACAGAGGAATTTACAAACATATCTTCTAG 120
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QY 121 TGTTCATTAAGAACCAAGATTAATAAGTGAAGAGCTAGTCGGCTGTGAGTCTCTCAGT 180
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QY 181 GACAGAGGCTGGATCACCATCGAGCGGACCTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
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DB 323 GGGCCACACATCTGCTGAAATGGAGATAATTAACATCCTAGAGAAACAGCAAGATGCAATA 382
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QY 1501 CTTGAAATGTCAGNCAATACATTTCTCTGCTCAGAGGCTCTCTCTGTTCTCTT 1560
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QY 1741 TGTAAAGCTGGGATGTGAAGMAAGGAGGGAACCTCATAGTATCTTATATATATATCTT 1800
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QY 1883 TCCCAAGGTAACCTTTTATCATTTGAGTGGCTTTTATAGAAATTTTGGCAATCA 1942
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QY 1921 TACTGGTCACTTATCTCAACTTTGAGATGTTTGTCTTGTAGTAAATTTGAAAGAAATA 1980
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QY 1981 GGGCACTCTTGTAGCCACTTTAGGGTTTCACTCTGGCAATTAAGAAATTTTCAAGA 2037
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QY 2003 GGGCACTCTTGTAGCCACTTTAGGGTTTCACTCTGGCAATTAAGAAATTTTCAAGA 2059
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RESULT 5
US-09-651-236-690
; Sequence 690, Application US/09651236

; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-651-236-690

Query Match 99.8%; Score 2032; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;

Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAAGAAAAAGAGGGGAGATTTGTGTGGCTGACGCGGAGGAGACAG 60
DB 23 AGAAGCTGGCATCAAGAAAAAGAGGGGAGATTTGTGTGGCTGACGCGGAGGAGACAG 82
QY 61 GAAGATCTGCATGCTGGGAAGGACCTGATGATACAGAGGAATTAACAACATATATCTTAG 120
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QY 181 GACAGGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
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Db 923 GCCACACTCATTTTAAATTTAGTTCCAGATCTGTGAGCCTTTCTACCTGATG 982
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Db 983 AATAACACTTACTCATTTTCAAGACCTTCTGCTGTGCTGCTTAATATGTAGCTGACT 1042
Qy 1021 GTTTTCTTAAAGGAGTGTCTGCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTAA 1080
Db 1043 GTTTTCTTAAAGGAGTGTCTGCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTAA 1102
Qy 1081 GATCTTTCAGGGTTATCTTACTAGACACAGCATGATCATTTACGAGTGAATATCTA 1140
Db 1103 GATCTTTCAGGGTTATCTTACTAGACACAGCATGATCATTTACGAGTGAATATCTA 1162
Qy 1141 ATCAACATCATCTCAGTCTTGTGCCATCTGAAATTCATTTCCCACTTTGTGCCCA 1200
Db 1163 ATCAACATCATCTCAGTCTTGTGCCATCTGAAATTCATTTCCCACTTTGTGCCCA 1222
Qy 1201 TTCTCAAGACCTCAAAATGTCAFTCCATTAATATCACAGATTAACTTTTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCAFTCCATTAATATCACAGATTAACTTTTTTTAAACC 1282
Qy 1261 TGAAGAATTCATGTTACATGACGCTATGGGAATTAATACATATTTTGTTCAGT 1320
Db 1283 TGAAGAATTCATGTTACATGACGCTATGGGAATTAATACATATTTTGTTCAGT 1342
Qy 1321 GCAAGATGACTAAGTCTTATATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGT 1380
Db 1343 GCAAGATGACTAAGTCTTATATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGT 1402
Qy 1381 TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAGC 1462
Qy 1441 CTTATCTGTATCACCATCAACCCCTCCCATNYTACCTAAACAAATCTAACTGTAAT 1500
Db 1463 CTTATCTGTATCACCATCAACCCCTCCCATACCACTAAACAAATCTAACTGTAAT 1522
Qy 1501 CCTTGAACATGTCAGGNCATACATTTCTCTGCTGAGAGCTCTTCTTGTCTCTT 1560
Db 1523 CCTTGAACATGTCAGGNCATACATTTCTCTGCTGAGAGCTCTTCTTGTCTCTT 1582
Qy 1561 AANTCTAGAATGATAAGTTTGAATGACTATCTTACTTTATCTGCAAGAGAGG 1620
Db 1583 AANTCTAGAATGATAAGTTTGAATGACTATCTTACTTTATCTGCAAGAGAGG 1642
Qy 1621 ACATATGAGATTTCATCATCATGACAGCAAAATCTAAAGTGTAAATTTGATTATA 1680
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Db 1643 ACACATATGAGATTTCATCATCATGAGACAGCAAAATCTAAAGTGTAAATTTGATTATA 1702
Qy 1681 ACAGTTTATAGATAAATATATGAAATCAAGAKCCACAGAGGGAATGTTTATGGGCACGTT 1740
Db 1703 ACAGTTTATAGATAAATATATGAAATCAAGAGCCACAGAGGGAATGTTTATGGGCACGTT 1762
Qy 1741 TGTAAAGCTGGGATGTGAAGMAAAGCGAGGGAACCTCATAGTATCTTATATATATACTT 1800
Db 1763 TGTAAAGCTGGGATGTGAAGCAAGGCAAGGGAACCTCATAGTATCTTATATATATACTT 1822
Qy 1801 CATTTCTCTATCTCTATCACAATATATCAACAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1860
Db 1823 CATTTCTCTATCTCTATCACAATATATCAACAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1882
Qy 1861 TCCCAAAAGGTAAACCTTTATCCATTTTCATGAGTGGCTTTAGAAATTTTGGCAAAATCA 1920
Db 1883 TCCCAAAAGGTAAACCTTTATCCATTTTCATGAGTGGCTTTAGAAATTTTGGCAAAATCA 1942
Qy 1921 TACTGGTCACTTATCTCAACTTTGAGATGTGTTGCTTGTAGTAAATTTGAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTGAGATGTGTTGCTTGTAGTAAATTTGAAGAAATA 2002
Qy 1981 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACTCTGGCAATAAAGAAATTTACAAAGA 2037
Db 2003 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACTCTGGCAATAAAGAAATTTACAAAGA 2059

RESULT 6
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang tuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468

Query Match 85.3%; Score 1737.8; DB 3; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

Qy 252 TCAATGGCAGGGGTGAGAAATAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATC 311
Db 1302 TCAATGAAATAGGTGAGAAATAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATC 1361
Qy 312 TCCTCAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACATAATATGCTTAAG 371
Db 1362 TCCTCAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACATAATATGCTTAAG 1421
Qy 372 TAGTGACATGTTTTTGGCATTTCAGGCCCTTTTAAATATATCCACACACAGGAAGCACA 431
Db 1422 TAGTGACATGTTTTTGGCATTTCAGGCCCTTTTAAATATATCCACACACAGGAAGCACA 1481
Qy 432 AAAGGAACACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAG 491
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Db 1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGCCGCCATCTTGGGTCTATCGATGAG 1541
QY CTTGCGCCCTGTGCTCGCTCGCTGTGAGGGAAGGACATTAAGAAATCAATTTGATGTCT 551
Db 1542 CTTGCGCCCTGTGCTCGCTCGCTGTGAGGGAAGGACATTAAGAAATCAATTTGATGTCT 1601
QY 552 TCCTTAAAGGATGGGAGGAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTAC 611
Db 1602 TCCTTAAAGGATGGGAGGAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTAC 1661
QY 612 AGATTTGAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGAAACAGACGAGAAAT 671
Db 1662 AGATTTGAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGAAACAGACGAGAAAT 1721
QY 672 CTTGATGGCTTCACAAGACATGCAACAAACAAATGGAATCTGTGATCAGATGAGGCGAG 731
Db 1722 CTTGATGGCTTCACAAGACATGCAACAAACAAATGGAATCTGTGATCAGATGAGGCGAG 1781
QY 732 CCAAGCTGGGAGGAGATACCAACGGGGCAGAGGTCAGGATTTCTGGCCCTCTGCTCTAA 791
Db 1782 CCAAGCTGGGAGGAGATACCAACGGGGCAGAGGTCAGGATTTCTGGCCCTCTGCTCTAA 1841
QY 792 ACTGTGCTTCATAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTAA 851
Db 1842 ACTGTGCTTCATAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTAA 1901
QY 852 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGGCACACTCAT 911
Db 1902 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGGCACACTCAT 1961
QY 912 TTTTAAATTTAGTTCCAGATCTGPACTGTGACCTTTCTACACTGTAGATAAATATAC 971
Db 1962 TTTTAAATTTAGTTCCAGATCTGPACTGTGACCTTTCTACACTGTAGATAAATATAC 2021
QY 972 TCATTTTGTTCAAAGACCTTCTGTGTGCTGCTTAATATGTAGTGAATTTTTCCTTAA 1031
Db 2022 TCATTTTGTTCAAAGACCTTCTGTGTGCTGCTTAATATGTAGTGAATTTTTCCTTAA 2081
QY 1032 GGAGTGTCTTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAG 1091
Db 2082 GGAGTGTCTTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAG 2141
QY 1092 GGTATATCTTACAGACACAGATGATCATTAACGAGTGAATTAATCAATCAATCAT 1151
Db 2142 GGTATATCTTACAGACACAGATGATCATTAACGAGTGAATTAATCAATCAATCAT 2201
QY 1152 CCTCAGTGTCTTGGCCCACTACTGAATTCATTTCCACCTTTTGTGCCCATCTCAGACC 1211
Db 2202 CCTCAGTGTCTTGGCCCACTACTGAATTCATTTCCACCTTTTGTGCCCATCTCAGACC 2261
QY 1212 TCAAAATGTCAATTAATATCACAGATTAACCTTTTAACTGGAAGATTC 1271
Db 2262 TCAAAATGTCAATTAATATCACAGATTAACCTTTTAACTGGAAGATTC 2321
QY 1272 AATGTTACATGAGCTATGGGAATTTAATTAATATTTGTTTTCAGTCAAGATGAC 1331
Db 2322 AATGTTACATGAGCTATGGGAATTTAATTAATATTTGTTTTCAGTCAAGATGAC 2381
QY 1332 TAAGTCCTTTATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAA 1391
Db 2382 TAAGTCCTTTATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAA 2441
QY 1392 GCCTTGTACTGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1450
Db 2442 GCCTTGTACTGAGGCTGTATACAGC-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
QY 1451 ATCACCATCAACCCCTCCCATNYSACCTAAACAAATCTAACTGTGTAATCTCTGAAAT 1510
Db 2502 ATCACCATCAACCCCTCCCATG-CACCTAAACAAATCTAACTGTGTAATCTCTGAAAT 2560
QY 1511 GTCAGGNCATACATTTCTCTGCTCAGAGCTCTTCTGTCTCTTAATCTAGAA 1570

Db 2561 GTCAGG-CATACATTAATTCCTTCTGCCCTGAGAGCTCTTCTGTCTCTTAAATCTAGAA 2619
QY 1571 TGATCTAAAGTTTTGAATAAGTTGACTACTCTTACTCTCATGCAAGAGGACACATATGA 1630
Db 2620 TGATCTAAAGTTTTGAATAAGTTGACTACTCTTACTCTCATGCAAGAGGACACATATGA 2679
QY 1631 GATTCATCATCACATGAGACAGCAAAATCTAAAAGTGTAATTTGATTTAAGAGTTTGA 1690
Db 2680 GATTCATCATCACATGAGACAGCAAAATCTAAAAGTGTAATTTGATTTAAGAGTTTGA 2739
QY 1691 TAAATATATGAATTCAGAAKCCACAGAGGAAATGTTTATGGGCACTTTTGTAGCCCTG 1750
Db 2740 TAAATATATGAATTCAGAGAGCCACAGAGGAAATGTTTATGGGCACTTTTGTAGCCCTG 2799
QY 1751 GGATGTGAAGMAAGGAGGAGGAACTCATAGTATCTTATATAATATCTTCAATTTCTCTA 1810
Db 2800 GGAATGTGAAGCAAGGAGGAGGAACTCATAGTATCTTATATAATATCTTCAATTTCTCTA 2859
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Db 2860 TCTCTATCACAATATCCAAAGCTTTTTCACAGAAATCATGCAGTGCAAAATCCCAAGG 2919
QY 1871 TAACTTTTATCCATTTTCATGTGTGCTTGAATTTTGGCAAAATCATACTGCTCAC 1930
Db 2920 TAACTTTTATCCATTTTCATGTGTGCTTGAATTTTGGCAAAATCATACTGCTCAC 2979
QY 1931 TTATCTCAACTTTGAGATGTGTGCTTGTAGTAAATGAAAGAAATAGGCACTCTT 1990
Db 2980 TTAATCTCAACTTTGAGATGTGTGCTTGTAGTAAATGAAAGAAATAGGCACTCTT 3039
QY 1991 GTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAATTTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAATTTTACAAAGA 3086

RESULT 7

US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 85.3%; Score 1737.8; DB 3; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;
QY 252 TCAATGGCAGGGGTGAGAAATAAGAAAGCGTCTGCTACATTTTACCATCTGAGGCCACACATC 311
Db 1302 TCACTAAATAGGTGAGAAATAAGAAAGCGTCTGCTACATTTACCATCTGAGGCCACACATC 1361
QY 312 TGCTGAATGAGATTAATTAATCACTACTAGAAACAGCAAGATGACAATATAATGCTTAAG 371
Db 1362 TGCTGAATGAGATTAATTAATCACTACTAGAAACAGCAAGATGACAATATAATGCTTAAG 1421
QY 372 TAGTGACATGTTTTTGGACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCACA 431
Db 1422 TAGTGACATGTTTTTGGACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCACA 1481

QY 432 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCGCCATCTTTGGGTCTATCGATGAG 491
Db 1482 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCGCCATCTTTGGGTCTATCGATGAG 1541
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Db 1542 CCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTGT 1601
QY 552 TCCTTAAAGGATGGGAGGAGAAACAGATCCTGTGTGTGGATATTTTGAACGGGATTAC 611
Db 1602 TCCTTAAAGGATGGGAGGAGAAACAGATCCTGTGTGTGGATATTTTGAACGGGATTAC 1661
QY 612 AGATTTGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAAT 671
Db 1662 AGATTTGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAAT 1721
QY 672 CTTGTATGGCTTCAAGAGATGCAACAAACAAATGGAATCTGTGATGACATGAGGCAG 731
Db 1722 CTTGTATGGCTTCAAGAGATGCAACAAACAAATGGAATCTGTGATGACATGAGGCAG 1781
QY 732 CCAAGCTGGGAGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTCTAA 791
Db 1782 CCAAGCTGGGAGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTCTAA 1841
QY 792 ACTGTGCGTTTATAACCAATCATTTTCAATATTTCTAACCCCTCAAAACAAAGCTGTGTAA 851
Db 1842 ACTGTGCGTTTATAACCAATCATTTTCAATATTTCTAACCCCTCAAAACAAAGCTGTGTAA 1901
QY 852 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCCACACTCAT 911
Db 1902 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCCACACTCAT 1961
QY 912 TTTTAATATTTAGTTCCTAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAC 971
Db 1962 TTTTAATATTTAGTTCCTAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAC 2021
QY 972 TCATTTTGTTCAAAGACCCCTTGTGTGTGCTGCTTAATATGTAGTGACTGTTTTTCTCTAA 1031
Db 2022 TCATTTTGTTCAAAGACCCCTTGTGTGTGCTGCTTAATATGTAGTGACTGTTTTTCTCTAA 2081
QY 1032 GGAGTGTTCTGGCCAGGGGATCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAG 1091
Db 2082 GGAGTGTTCTGGCCAGGGGATCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAG 2141
QY 1092 GGTATATCTTACTAGCACAGCATGATCATTTACGGAGTGAATTTCTTAATCAACATCAT 1151
Db 2142 GGTATATCTTACTAGCACAGCATGATCATTTACGGAGTGAATTTCTTAATCAACATCAT 2201
QY 1152 CTTAGTGTTCTTGGCCATCTAGAAATTCATTTTCCACATTTTGTGCCCCATTTCTCAAGACC 1211
Db 2202 CTTAGTGTTCTTGGCCATCTAGAAATTCATTTTCCACATTTTGTGCCCCATTTCTCAAGACC 2261
QY 1212 TCATAATGTCATTCATTAATATATACAGATTAACATTTTCTTAACTTTTAACTGGAGATTC 1271
Db 2262 TCATAATGTCATTCATTAATATATACAGATTAACATTTTCTTAACTTTTAACTGGAGATTC 2321
QY 1272 AATGTTACATGAGCTATGGGAATTTAAATTAACATATTTTGTGTTTCCAGTGCAGAAATGAC 1331
Db 2322 AATGTTACATGAGCTATGGGAATTTAAATTAACATATTTTGTGTTTCCAGTGCAGAAATGAC 2381
QY 1332 TAAAGTCTTTATCCCTCCCTTTGTTTGAATTTTTCAGTATATAAGTTAAATGCTTTA 1391
Db 2382 TAAAGTCTTTATCCCTCCCTTTGTTTGAATTTTTCAGTATATAAGTTAAATGCTTTA 2441
QY 1392 GCCTTGTACTGAGCTGTATACAG-CACAGCCCTCTCCCATCCCTCCAGCCCTTATCTGTC 1450
Db 2442 GCCTTGTACTGAGCTGTATACAG-CACAGCCCTCTCCCATCCCTCCAGCCCTTATCTGTC 2501
QY 1451 ATCACCATTCAACCCCTCCCATNYSACATAAACAATACTAACTTGTAATTTCTTTGAACAT 1510
Db 2502 ATCACCATTCAACCCCTCCCATG-CACCTAACAATACTAACTTGTAATTTCTTTGAACAT 2560

QY 1511 GTGAGNCATACATTTTCTCTGCTGAGAGCTCTTCTCTGCTCTCTTAANTCTAGAA 1570
Db 2561 GTGAGG-CATACATTTTCTCTGCTGAGAGCTCTTCTCTGCTCTCTTAANTCTAGAA 2619
QY 1571 TGATGTAAAGTTTTCATTAAGTTGACTATCTTACTTTCATGCAAGAGGACACATATGA 1630
Db 2620 TGATGTAAAGTTTTCATTAAGTTGACTATCTTACTTTCATGCAAGAGGACACATATGA 2679
QY 1631 GATTCATCATCATGTAGAGACAGCAAAATCTAAAAGTGTAAATTTGATTTATAAGAGTTTGA 1690
Db 2680 GATTCATCATCATGTAGAGACAGCAAAATCTAAAAGTGTAAATTTGATTTATAAGAGTTTGA 2739
QY 1691 TAAATATATGAATGCAAGKCCACAGAGGGGAACTGTTATGCGGCACTTTCTAGCCCTG 1750
Db 2740 TAAATATATGAATGCAAGKCCACAGAGGGGAACTGTTATGCGGCACTTTCTAGCCCTG 2799
QY 1751 GGATGTGAAGMAAGGAGGAGGAACTCATAGTATCTTATATATATATATATCTTCTCTA 1810
Db 2800 GGATGTGAAGMAAGGAGGAGGAACTCATAGTATCTTATATATATATATATCTTCTCTA 2859
QY 1811 TCTCTATCACAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCAAGG 1870
Db 2860 TCTCTATCACAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCAAGG 2919
QY 1871 TAACTTTTATCCATTTTCATGAGTGCCTTTAGAAATTTTGGCAAAATCATACTGCTAC 1930
Db 2920 TAACTTTTATCCATTTTCATGAGTGCCTTTAGAAATTTTGGCAAAATCATACTGCTAC 2979
QY 1931 TTATCTCAACTTTGAGATGTGTTGCTGTTGAGTTAAATGAAAGAAATAGGCACTCTT 1990
Db 2980 TTATCTCAACTTTGAGATGTGTTGCTGTTGAGTTAAATGAAAGAAATAGGCACTCTT 3039
QY 1991 GTGAGCCACTTTTGGGTTTCACTCTCGCAATAAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTTGGGTTTCACTCTCGCAATAAAGAAATTTACAAAGA 3086

RESULT 8
US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-468

Best Local Similarity 99.2%; Pred. No. 0;			
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;			
QY	252	TCATCGCAGGGGTGAGAAATAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACATC	311
Db	1302	TCAACTAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC	1361
QY	312	TGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATAATATGCTAAG	371
Db	1362	TGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATAATATGCTAAG	1421
QY	372	TAGTGACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCAC	431
Db	1422	TAGTGACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCAC	1481
QY	432	AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGCCGCCATCTTGGGTCACTCGATGAG	491
Db	1482	AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGCCGCCATCTTGGGTCACTCGATGAG	1541
QY	492	CCTCGCCCTGTGCTGGTCCCGCTTGTGAGGAAGGACATTAGAAATGAATTTGATGTGT	551
Db	1542	CCTCGCCCTGTGCTGGTCCCGCTTGTGAGGAAGGACATTAGAAATGAATTTGATGTGT	1601
QY	552	TCCTTAAAGATGGGCAGGAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTHC	611
Db	1602	TCCTTAAAGATGGGCAGGAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTHC	1661
QY	612	AGATTTTGAATGAAGTCACAAATGAGCATTTACCAATGAGAGGAAACAGACGAGAAAT	671
Db	1662	AGATTTTGAATGAAGTCACAAATGAGCATTTACCAATGAGAGGAAACAGACGAGAAAT	1721
QY	672	CTTGATGGCTTCACAGACATGCAACAAATGGAATACTGTGATGACATGAGGCAG	731
Db	1722	CTTGATGGCTTCACAGACATGCAACAAATGGAATACTGTGATGACATGAGGCAG	1781
QY	732	CMAGCTGGGAGGAGATTAACACGGGGCAGAGGTCAGGATTTGGCCCTGCTGCCTAA	791
Db	1782	CCAAGCTGGGAGGAGATTAACACGGGGCAGAGGTCAGGATTTGGCCCTGCTGCCTAA	1841
QY	792	ACTGTCGGTTCAATACCAATCATTTTCAATATTTCTAACCTCAAAACAAGCTGTGTAA	851
Db	1842	ACTGTCGGTTCAATACCAATCATTTTCAATATTTCTAACCTCAAAACAAGCTGTGTAA	1901
QY	852	TATCTGATCTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTCAT	911
Db	1902	TATCTGATCTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTCAT	1961
QY	912	TTTTAATATTTAGTTCCAGATCTGTGACCTTTCTACACTGTAGAATAACATTHC	971
Db	1962	TTTTAATATTTAGTTCCAGATCTGTGACCTTTCTACACTGTAGAATAACATTHC	2021
QY	972	TCATTTTGTTCAAAGACCTTGTGTTGCTGCTAATATGTAGCTGACTGTTTTTCCCTAA	1031
Db	2022	TCATTTTGTTCAAAGACCTTGTGTTGCTGCTAATATGTAGCTGACTGTTTTTCCCTAA	2081
QY	1032	GGAGTGTCTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG	1091
Db	2082	GGAGTGTCTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG	2141
QY	1092	GGTTATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT	1151
Db	2142	GGTTATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT	2201
QY	1152	CCTCAGTGTCTTTGCCCATACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	1211
Db	2202	CCTCAGTGTCTTTGCCCATACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	2261
QY	1212	TCAAAATGTCAATTCATTAATATCAAGAGTTAACTTTTTTTTTTAACTGGGAAGATTC	1271
Db	2262	TCAAAATGTCAATTCATTAATATCAAGAGTTAACTTTTTTTTTTAACTGGGAAGATTC	2321
QY	1272	AATGTTACATCGAGCTATGGGAATTTAATACATATTTTGTTCAGTGCAAGATGAC	1331

Db	2322	AATGTTACATCGAGCTATGGGAATTTAATACATATTTTGTTCAGTGCAAGATGAC	2381
QY	1332	TAAGTCCCTTTATCCCTCCCTTTTGTGATTTTTTTTCCAGTATATAAGTTAAATGCTTTA	1391
Db	2382	TAAGTCCCTTTATCCCTCCCTTTTGTGATTTTTTTTCCAGTATATAAGTTAAATGCTTTA	2441
QY	1392	GCCTTGTAAGTGGGTGTATACAG-CACAGGCTCTCCCCATCCCTCCAGCCCTTATCTGTC	1450
Db	2442	GCCTTGTAAGTGGGTGTATACAGCCACAGGCTCTCCCCATCCCTCCAGCCCTTATCTGTC	2501
QY	1451	ATCACCATCAACCCCTCCATNYSACCTAAACAAATCTAACTTGTAAATTCCTTGAAACAT	1510
Db	2502	ATCACCATCAACCCCTCCATNYSACCTAAACAAATCTAACTTGTAAATTCCTTGAAACAT	2560
QY	1511	GTGAGGNCATACATTTTCTTCTGCTGAGAGCTCTTCCCTGCTCTCTTAANTCTAGAA	1570
Db	2561	GTGAGGNCATACATTTTCTTCTGCTGAGAGCTCTTCCCTGCTCTCTTAANTCTAGAA	2619
QY	1571	TGATGTAAGTGTGATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA	1630
Db	2620	TGATGTAAGTGTGATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA	2679
QY	1631	GATTCATCATCACATGACAGACAGCAAAATCTAAAGTGTAAATTTGATTAAGAGTTTGA	1690
Db	2680	GATTCATCATCACATGACAGACAGCAAAATCTAAAGTGTAAATTTGATTAAGAGTTTGA	2739
QY	1691	TAAATATATGAAATGCAAGAKCCACAGAGGAAATGTTTTATGGGCAAGCTTTGTAAGCCTG	1750
Db	2740	TAAATATATGAAATGCAAGAKCCACAGAGGAAATGTTTTATGGGCAAGCTTTGTAAGCCTG	2799
QY	1751	GGATGTGAAGMAAGGCGAGGAAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTA	1810
Db	2800	GGATGTGAAGMAAGGCGAGGAAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTA	2859
QY	1811	TCTCTATCACATATCCAAAGCTTTTTCACAGATTTTCACAGATTTTCACAGATTTTCACAG	1870
Db	2860	TCTCTATCACATATCCAAAGCTTTTTCACAGATTTTCACAGATTTTCACAGATTTTCACAG	2919
QY	1871	TAACTTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGGTCAC	1930
Db	2920	TAACTTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGGTCAC	2979
QY	1931	TTATCTCAACTTTGAGATGTGTTGCTCTGTGAGTAAATTTGAAAGAAATAGGGCACTCTTT	1990
Db	2980	TTATCTCAACTTTGAGATGTGTTGCTCTGTGAGTAAATTTGAAAGAAATAGGGCACTCTTT	3039
QY	1991	GTGAGCCACTTTAGGTTTCACTCTCTGGCAATTAAGAAATTTACAAAGA	2037
Db	3040	GTGAGCCACTTTAGGTTTCACTCTCTGGCAATTAAGAAATTTACAAAGA	3086

RESULT 9

US-09-685-166A-468
; Sequence 468, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-468

Query Match 85.3%; Score 1737.8; DB 4; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

QY	252	TCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC	311
DB	1302	TCAACTAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC	1361
QY	312	TGCTGAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG	371
DB	1362	TGCTGAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG	1421
QY	372	TAGTGACATGTTTTTGACATTTCCAGCCCTTTAAATATFCCACACACAGGAAGCAC	431
DB	1422	TAGTGACATGTTTTTGACATTTCCAGCCCTTTAAATATFCCACACACAGGAAGCAC	1481
QY	432	AAAGGACACAGAGATCCCTGGAGAAATCCCGGCCGCTCTTGGGTTCATCGATGAG	491
DB	1482	AAAGGACACAGAGATCCCTGGAGAAATCCCGGCCGCTCTTGGGTTCATCGATGAG	1541
QY	492	CCTCGCCCTGTGCTGGTCCGCTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTGT	551
DB	1542	CCTCGCCCTGTGCTGGTCCGCTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTGT	1601
QY	552	TCCTTAAAGGATGGGAGGAAAAACAGATCCTGTGTGTGGATATTTTGAACGGGATTAC	611
DB	1602	TCCTTAAAGGATGGGAGGAAAAACAGATCCTGTGTGTGGATATTTTGAACGGGATTAC	1661
QY	612	AGATTTGAATGAAGTCACAAAGTGAAGTATACCAATGAGAGGAAAAACAGAGAAAAAT	671
DB	1662	AGATTTGAATGAAGTCACAAAGTGAAGTATACCAATGAGAGGAAAAACAGAGAAAAAT	1721
QY	672	CTTGATGGCTTCAACAGACATCAACAAAGTGAAGTATACCAATGAGAGGAAAAACAGAG	731
DB	1722	CTTGATGGCTTCAACAGACATCAACAAAGTGAAGTATACCAATGAGAGGAAAAACAGAG	1781
QY	732	CCAAGCTGGGAGGAGATAACCAAGGAGGAGGTCAGGATTTCTGGCCCTGTGCTCTAA	791
DB	1782	CCAAGCTGGGAGGAGATAACCAAGGAGGAGGTCAGGATTTCTGGCCCTGTGCTCTAA	1841
QY	792	ACTGTGCGTTTCATACCAATCATTTTCAATTTCTAACCTCAAAACAAGCTGTGTAA	851
DB	1842	ACTGTGCGTTTCATACCAATCATTTTCAATTTCTAACCTCAAAACAAGCTGTGTAA	1901
QY	852	TATCTGATCTCTACGGTTCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTAT	911
DB	1902	TATCTGATCTCTACGGTTCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTAT	1961
QY	912	TTTAAATATTTAGTTCCAGATCTGATGTGACCTTTTCTACACTGTAGAATAAACATTAC	971
DB	1962	TTTAAATATTTAGTTCCAGATCTGATGTGACCTTTTCTACACTGTAGAATAAACATTAC	2021
QY	972	TCATTTTGTTCAAAGACCTTCTGTGTGTGCTGCTTAATATGTAGTGAATTTTCTCTAA	1031
DB	2022	TCATTTTGTTCAAAGACCTTCTGTGTGTGCTGCTTAATATGTAGTGAATTTTCTCTAA	2081
QY	1032	GGAGTGTCTTGGCCCGAGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTTCCAG	1091
DB	2082	GGAGTGTCTTGGCCCGAGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTTCCAG	2141

QY	1092	GGTTATACCTTAGCACACAGCATGATCAATTAACGAGTGAATTAATCTAATCAACATCAT	1151
DB	2142	GGTTATACCTTAGCACACAGCATGATCAATTAACGAGTGAATTAATCTAATCAACATCAT	2201
QY	1152	CCTCAGTGTCTTTGGCCCATCTACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	1211
DB	2202	CCTCAGTGTCTTTGGCCCATCTACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	2261
QY	1212	TCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTAACTGGAAGAAATTC	1271
DB	2262	TCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTAACTGGAAGAAATTC	2321
QY	1272	AATGTTACATGAGCTATGGGAATTAATTAATATTAATTAATTTTGTTCAGTGCAAGATGAC	1331
DB	2322	AATGTTACATGAGCTATGGGAATTAATTAATATTAATTAATTTTGTTCAGTGCAAGATGAC	2381
QY	1332	TAAAGTCCCTTATCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATGCTTTA	1391
DB	2382	TAAAGTCCCTTATCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATGCTTTA	2441
QY	1392	GCCTTGTACTGAGGCTGTATACAG-CACAGCCCTCTCCCATCCCTCCAGCCCTTATCTGTC	1450
DB	2442	GCCTTGTACTGAGGCTGTATACAGCCACAGCCCTCTCCCATCCCTCCAGCCCTTATCTGTC	2501
QY	1451	ATCAGCATCAACCCCTCCCATNYACCTAAACAAATCTAATCTGTAATCTCTTGAACAT	1510
DB	2502	ATCAGCATCAACCCCTCCCATG-CACCTAAACAAATCTAATCTGTAATCTCTTGAACAT	2560
QY	1511	GTGAGNCATACATTTCTCTGCTGAGAGGCTCTTCTGCTCTCTTAANTCTAGAA	1570
DB	2561	GTGAGG-CATACATTTCTCTGCTGAGAGGCTCTTCTGCTCTCTTAANTCTAGAA	2619
QY	1571	TGATGTAAAGTTTGAATAAGTTGACTATCTTCTATTCATGCAAGAGGACACATATGA	1630
DB	2620	TGATGTAAAGTTTGAATAAGTTGACTATCTTCTATTCATGCAAGAGGACACATATGA	2679
QY	1631	GATTCATCATCATGAGACAGCAAAATCTAAAAGTGAATTTGATTAAGAGTTTGA	1690
DB	2680	GATTCATCATCATGAGACAGCAAAATCTAAAAGTGAATTTGATTAAGAGTTTGA	2739
QY	1691	TAAATATATGAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTG	1750
DB	2740	TAAATATATGAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTG	2799
QY	1751	GGATGTGAAGMAAGGAGGGAACCTCATAGTATCTTATATATATATCTTCTCTTA	1810
DB	2800	GGATGTGAAGMAAGGAGGGAACCTCATAGTATCTTATATATATATCTTCTCTTA	2859
QY	1811	TCTCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCMAATCCCAAGG	1870
DB	2860	TCTCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCMAATCCCAAGG	2919
QY	1871	TAACTTTTATCCATTTTCATGAGTGCCTTTTGAATTTTGGCAAAATCATACTGTCTAC	1930
DB	2920	TAACTTTTATCCATTTTCATGAGTGCCTTTTGAATTTTGGCAAAATCATACTGTCTAC	2979
QY	1931	TTATCTCAACTTTGAGATGTGTTTCTCTTGTAGTTAAATTTGAAGAAATAGGGCACTCT	1990
DB	2980	TTATCTCAACTTTGAGATGTGTTTCTCTTGTAGTTAAATTTGAAGAAATAGGGCACTCT	3039
QY	1991	GTGAGCCACTTTAGGGTTCATCTCCGGCAATTAAGAAATTTACAAGA	2037
DB	3040	GTGAGCCACTTTAGGGTTCATCTCCGGCAATTAAGAAATTTACAAGA	3086

RESULT 10
US-09-679-426-468
; Sequence 468, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.


```
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Scolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-679-426-468

Query Match      85.3%; Score 1737.8; DB 4; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

QY 252 TCAATGGCAGGGGTGAGAAATGAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATC 311
DB 1302 TCAACTAAATAGTGTGAGAAATGAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATC 1361

QY 312 TCGTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAG 371
DB 1362 TCGTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAG 1421

QY 372 TAGTGACATGTTTTGACATTTCCAGCCCCCTTTAAATATCCACACACAGAGACACA 431
DB 1422 TAGTGACATGTTTTGACATTTCCAGCCCCCTTTAAATATCCACACACAGAGACACA 1481

QY 432 AAAGGAAGCACAGAGATCCCTGGGAGAAATCCCGGCCCATCTTTGGGTATCGATGAG 491
DB 1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATCCCGGCCCATCTTTGGGTATCGATGAG 1541

QY 492 CCTCGCCCTGTGCCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATTGATGT 551
DB 1542 CCTCGCCCTGTGCCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATTGATGT 1601

QY 552 TCCTTAAAGGATGGGAGGAAACAGATCCTGTTGTGGATATTTTTCGACGGGATTAC 611
DB 1602 TCCTTAAAGGATGGGAGGAAACAGATCCTGTTGTGGATATTTTTCGACGGGATTAC 1661

QY 612 AGATTTGAAATGAAGTCACAAAGTAGCATTACCAATGAGAGGAAACAGACGAGAAAT 671
DB 1662 AGATTTGAAATGAAGTCACAAAGTAGCATTACCAATGAGAGGAAACAGACGAGAAAT 1721

QY 672 CTTGATGGCTTCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGCG 731
DB 1722 CTTGATGGCTTCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGCG 1781

QY 732 CCAAGCTGGGAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAA 791
DB 1782 CNAGCTGGGAGGAGATACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAA 1841

QY 792 ACTGTGCGTTCAACCAAAATCATTTTCAATTTCTAAACCTCAAAACAAAGCTGTGTAA 851
DB 1842 ACTGTGCGTTCAACCAAAATCATTTTCAATTTCTAAACCTCAAAACAAAGCTGTGTAA 1901

QY 852 TATCTGATCTTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCCACTCAT 911
DB 911 TATCTGATCTTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCCACTCAT 919

1902 TATCTGATCTTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGGCCACTCAT 1961
912 TTTTAATATTTAGTTCCCGAGATCTGTACTGTGACCTTTCTACACCTGTAGAAATAACATTAC 971
1962 TTTTAATATTTAGTTCCCGAGATCTGTACTGTGACCTTTCTACACCTGTAGAAATAACATTAC 2021
972 TCATTTTCTTCAAAGACCCCTTTCGTTGCTGCTGCTAAATATGATAGCTGATCTTTTCTTAA 1031
2022 TCATTTTCTTCAAAGACCCCTTTCGTTGCTGCTGCTAAATATGATAGCTGATCTTTTCTTAA 2081
1032 GGAGTGTTCGCCCCAGGGGATCTGTGAACAGGGTGGGAAGCATCTCAAGATCTTTTCAG 1091
2082 GGAGTGTTCGCCCCAGGGGATCTGTGAACAGGGTGGGAAGCATCTCAAGATCTTTTCAG 2141
1092 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT 1151
2142 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT 2201
1152 CTTCACTGCTTTGCCCCATCTGAAATTCATTTCCACCTTTTGTGCCCCATTTCTCAAGACC 1211
2202 CTTCACTGCTTTGCCCCATCTGAAATTCATTTCCACCTTTTGTGCCCCATTTCTCAAGACC 2261
1212 TCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTTTTTAACTGGAAGATTC 1271
2262 TCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTTTTTAACTGGAAGATTC 2321
1272 AATGTTACATGAGCTATGGGAATTAATTAATATTAATTTTGTGTTTCCAGTGCAAGATGAC 1331
2322 AATGTTACATGAGCTATGGGAATTAATTAATATTAATTTTGTGTTTCCAGTGCAAGATGAC 2381
1332 TAAGTCCCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTA 1391
2382 TAAGTCCCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTA 2441
1392 GCCTTGATCTGAGGCTGTATACAG-CACAGCTCTCCCCATCCCTCCAGCTTATCTGTC 1450
2442 GCCTTGATCTGAGGCTGTATACAGCCACAGGCTCTCCCCATCCCTCCAGCTTATCTGTC 2501
1451 ATCACCATCAACCCCTCCCATNYSACCTTAAACAAATCTAACTTGTAAATTCCTTGAACAT 1510
2502 ATCACCATCAACCCCTCCCATG-CACCTTAAACAAATCTAACTTGTAAATTCCTTGAACAT 2560
1511 GTCAGGNCATACATTTTCTGCTGCTGAGAGCTCTTCTGTCCTTAAATCTAGAA 1570
2561 GTCAGG-CATACATTAATTTCTTCTGCTGAGAGCTCTTCTGTCCTTAAATCTAGAA 2619
1571 TGATGTAAGTTTGAATAAGTTGATCTTCTTCTCATGCAAGAGGACACATATGA 1630
2620 TGATGTAAGTTTGAATAAGTTGATCTTCTTCTCATGCAAGAGGACACATATGA 2679
1631 GATTCATCATCACATGACACAGCAAAATACTAAAGTGTAAATTTGATTAAGAGTTTGA 1690
2680 GATTCATCATCACATGACACAGCAAAATACTAAAGTGTAAATTTGATTAAGAGTTTGA 2739
1691 TAAATATATGAATGCAAGKCCACAGAGGAAATGTTTATGGGCGACGTTTGTAAAGCTG 1750
2740 TAAATATATGAATGCAAGAGCCACAGAGGAAATGTTTATGGGCGACGTTTGTAAAGCTG 2799
1751 GGATGTGAAGWAAAGGCGAGGAACTCATAGTCTTATATAATATCTTCAATTTCTCTA 1810
2800 GGATGTGAAGCAAGGCGAGGAACTCATAGTCTTATATAATATCTTCAATTTCTCTA 2859
1811 TCTCTATCAATATCCAAACAGCTTTTTCACAGATTCATGCAAGTCAAAATCCCCAAAGG 1870
2860 TCTCTATCAATATCCAAACAGCTTTTTCACAGATTCATGCAAGTCAAAATCCCCAAAGG 2919
1871 TAACTTTTATCATTTTCAATGAGTGTGCTTTAGAAATTTTGGGCAAAATCATCTGTCAC 1930
2920 TAACTTTTATCATTTTCAATGAGTGTGCTTTAGAAATTTTGGGCAAAATCATCTGTCAC 2979
1931 TTATCTCAACTTTGAGATGTTTCTGCTCTGTAGTTAAATGAAAGAAATAGGGCACTCTT 1990
2980 TTATCTCAACTTTGAGATGTTTCTGCTCTGTAGTTAAATGAAAGAAATAGGGCACTCTT 3039
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Qy 1991 GTGAGCCACTTTAGGGTTCACTCTCGGAATAAAGAAATTACAAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCGGAATAAAGAAATTACAAAAGA 3086

RESULT 11

US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 85.38; Score 1737.8; DB 4; Length 3112;
Best Local Similarity 99.28; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;
Qy 252 TCAATGGCAGGGTGAAGAAATAAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATC 311
Db 1302 TCACTAAATAGGTGAGAAATAGAAGGCTGTGACTTTTACCATCTGAGGCCACACATC 1361
Qy 312 TGCTGAAATGGAGATAATTAACTACTAGAAACAGCAAGATGACAAATATAATGTCTAAG 371
Db 1362 TGCTGAAATGGAGATAATTAACTACTAGAAACAGCAAGATGACAAATATAATGTCTAAG 1421
Qy 372 TAGTGACATGTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACA 431
Db 1422 TAGTGACATGTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACA 1481
Qy 432 AAAGGAGACACAGATATCCCTGGGAGAAATGCCCGGCCCATCTTGGGGTCATCGATGAG 491
Db 1482 AAAGGAGACACAGATATCCCTGGGAGAAATGCCCGGCCCATCTTGGGGTCATCGATGAG 1541
Qy 492 CTTGGCCCTGTGCTGGTCCCGTTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTGT 551
Db 1542 CTTGGCCCTGTGCTGGTCCCGTTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTGT 1601
Qy 552 TCCTTAAAGATGGCAGGAAACAGATCTCTGTGTGGATATTTATTGACCGGATTAC 611
Db 1602 TCCTTAAAGATGGCAGGAAACAGATCTCTGTGTGGATATTTATTGACCGGATTAC 1661
Qy 612 AGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGCAGAGAAAT 671
Db 1662 AGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGCAGAGAAAT 1721

Qy 672 CTTGATGGCTTCAAGAAGCATGCAACAAACAAATGGAATACTGTGATGACATGAGGCAG 731
Db 1722 CTTGATGGCTTCAAGAAGCATGCAACAAACAAATGGAATACTGTGATGACATGAGGCAG 1781
Qy 732 CCAAGCTGGGGAGAGATACACAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTAA 791
Db 1782 CCAAGCTGGGGAGAGATACACAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTAA 1841
Qy 792 ACTGTGCTTCAATACCAATCAATTTTCTAATTTCTAACCCCTCAAAACAAAGCTTTGTAA 851
Db 1842 ACTGTGCTTCAATACCAATCAATTTTCTAATTTCTAACCCCTCAAAACAAAGCTTTGTAA 1901
Qy 852 TATCTGATCTCTAGGTTCTCTGGGCCCAACATTTCTCATATATCCAGCCACATCAT 911
Db 1902 TATCTGATCTCTAGGTTCTCTGGGCCCAACATTTCTCATATATCCAGCCACATCAT 1961
Qy 912 TTTTAATATTTAGTTCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTAC 971
Db 1962 TTTTAATATTTAGTTCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTAC 2021
Qy 972 TCATTTTGTTCAAAGACCCCTTCTGTGCTGCTTAATATATGTAGCTGACTGTTTTTCTAA 1031
Db 2022 TCATTTTGTTCAAAGACCCCTTCTGTGCTGCTTAATATATGTAGCTGACTGTTTTTCTAA 2081
Qy 1032 GGAGTGTCTGGCCCAAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1091
Db 2082 GGAGTGTCTGGCCCAAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
Qy 1092 GGTATATCTTACTAGCACACAGCATCATATACGAGTGAATTTATCTAATCAACATCAT 1151
Db 2142 GGTATATCTTACTAGCACACAGCATCATATACGAGTGAATTTATCTAATCAACATCAT 2201
Qy 1152 CCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACATTTTGTGCCCCATTTCTCAAGACC 1211
Db 2202 CCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACATTTTGTGCCCCATTTCTCAAGACC 2261
Qy 1212 TCAAAATGTCAATTCATTAATATACAGGATTAACCTTTTTTTTAACTGGGAAGATTC 1271
Db 2262 TCAAAATGTCAATTCATTAATATACAGGATTAACCTTTTTTTTAACTGGGAAGATTC 2321
Qy 1272 AATGTTACATGAGCTATGGAAATTAATTTACATATTTTGTGTTTCCAGTCAAGATGAC 1331
Db 2322 AATGTTACATGAGCTATGGAAATTAATTTACATATTTTGTGTTTCCAGTCAAGATGAC 2381
Qy 1332 TAAGTCTTTATCCCTCCCTTTTGTGTTGATTTTTTCCAGTATAAAGTTAAATGCTTA 1391
Db 2382 TAAGTCTTTATCCCTCCCTTTTGTGTTGATTTTTTCCAGTATAAAGTTAAATGCTTA 2441
Qy 1392 GCCTGTACTGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1450
Db 2442 GCCTGTACTGAGGCTGTATACAGCCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
Qy 1451 ATCACCATCAACCCCTCCCATNYSACCTAAACAAATCTAACTTGAATTCCTTGAACAT 1510
Db 2502 ATCACCATCAACCCCTCCCATG-CACCTAAACAAATCTAACTTGAATTCCTTGAACAT 2560
Qy 1511 GTCAGNCAATACATATTTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAATCTAGAA 1570
Db 2561 GTCAGG-CATACATATTTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAATCTAGAA 2619
Qy 1571 TGATGTAAGTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA 1630
Db 2620 TGATGTAAGTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA 2679
Qy 1631 GATTCATCATCATGAGACAGCAATACTAAAGTGAATTTGATTAAGAGTTTGA 1690
Db 2680 GATTCATCATCATGAGACAGCAATACTAAAGTGAATTTGATTAAGAGTTTGA 2739
Qy 1691 TAAATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAAGCCTG 1750
Db 2740 TAAATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAAGCCTG 2799
Qy 1751 GGATGGAAGMAAGGACAGGAACTCTATATCTTATATATATATATATCTTCTTCTTA 1810

Qy	1571	TGATGTTAAAGTTTTGAAATAAGTTGACATATCTTACTTTCATGCAAAAGAGGGACACATATGA	1630
Db	2620	TGATGTTAAAGTTTTGAAATAAGTTGACATATCTTACTTTCATGCAAAAGAGGGACACATATGA	2679
Qy	1631	GATTTCATCATCACATGACAGACAGCAAACTATCAAAAAGTGTAAATTTGATTATTAAGAGTTTAGA	1690
Db	2680	GATTTCATCATCACATGACAGACAGCAAACTATCAAAAAGTGTAAATTTGATTATTAAGAGTTTAGA	2739
Qy	1691	TAAATATATGAAATGCAAGAKCCACAGAGGGAATGTTTATGGGCACAGTTTGTAAAGCCTG	1750
Db	2740	TAAATATATGAAATGCAAGAGCCACAGAGGGAATGTTTATGGGCACAGTTTGTAAAGCCTG	2799
Qy	1751	GGATGTGAAGMAAAGGACAGGGAACCTCATAGTATCTTTATATAATATATCTTCAATTTCTCTA	1810
Db	2800	GGATGTGAAGCAAAAGGACAGGGAACCTCATAGTATCTTTATATAATATATCTTCAATTTCTCTA	2859
Qy	1811	TCTCTATCACAATATCCAACAAAGCTTTTTCACAGAAATTCATGCACTGCAAAATCCCAAAGG	1870
Db	2860	TCTCTATCACAATATCCAACAAAGCTTTTTCACAGAAATTCATGCACTGCAAAATCCCAAAGG	2919
Qy	1871	TAACTTTTATCCATTTTCATGGTGAAGTGGCTTTTGAAGATTTTGGCAAAATCATACTGGTCCAC	1930
Db	2920	TNACCTTTATCCATTTTCATGGTGAAGTGGCTTTTGAAGATTTTGGCAAAATCATACTGGTCCAC	2979
Qy	1931	TTATCTCAACTTTGAGATGTGTTTGTCTTGTAGTAAATTTGAAAGAAATAGGGCACTCTT	1990
Db	2980	TTATCTCAACTTTGAGATGTGTTTGTCTTGTAGTAAATTTGAAAGAAATAGGGCACTCTT	3039
Qy	1991	GTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGA	2037
Db	3040	GTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGA	3086
RESULT 13			
US-09-439-313-470/c			
; Sequence 470, Application US/09439313			
; Patent No. 6329505			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan Louise			
; APPLICANT: Jiang Yuqi			
; APPLICANT: Reed, Steven G.			
; APPLICANT: Kalos, Michael			
; APPLICANT: Fanger, Gary			
; APPLICANT: Retter, Mark			
; APPLICANT: Solk, John			
; APPLICANT: Day, Craig			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 210121.427C9			
; CURRENT APPLICATION NUMBER: US/09/439,313			
; CURRENT FILING DATE: 1999-11-12			
; NUMBER OF SEQ ID NOS: 575			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 470			
; LENGTH: 2426			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-439-313-470			
Query Match 85.0%; Score 1731.4; DB 3; Length 2426;			
Best Local Similarity 99.5%; Pred. No. 0;			
Matches 1762; Conservative 4; Mismatches 2; Indels 3; Gaps 3;			
Qy	263	GGTGAGAAAATAAGAAAGGCTGCTCACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG	322
Db	1769	GGTGAGAAAATAAGAAAGGCTGCTCACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1710
Qy	323	AGATAAATTAACATCACTAGAAACAGCAAGATGCAAAATATAATGTCTAAGTAGTGACATGT	382

Db	1709	AGATAATTAA	CATCTAGAAA	CAGCAAGATG	ACAATAATCT	TAAAGTAG	GCACATGT	1650
Qy	383	TTTTTGCA	CTTTCCAG	CCCCCTTT	AAAATATCC	ACACACAG	AGGAAGCACAAAAGGAAGCAC	442
Db	1649	TTTTTGCA	CTTTCCAG	CCCCCTTT	AAAATATCC	ACACACAG	AGGAAGCACAAAAGGAAGCAC	1590
Qy	443	AGAGATCC	CTGGAGAA	ATGCCGG	CGCCCATCTT	TGGGTCA	TGAGAGCCTCGCCCTGT	502
Db	1589	AGAGATCC	CTGGAGAA	ATGCCGG	CGCCCATCTT	TGGGTCA	TGAGAGCCTCGCCCTGT	1530
Qy	503	GCCTGTCC	CGCTTGT	GAGGAAG	GCATTAG	AAAAATGA	ATTCATGTGTTCTTTAAAGGA	562
Db	1529	GCCTGTCC	CGCTTGT	GAGGAAG	GCATTAG	AAAAATGA	ATTCATGTGTTCTTTAAAGGA	1470
Qy	563	TGGCAGGA	AAAAACAG	ATCTGT	TGTGATATTT	TTTGAACGG	GATATACAGATTTGAAAT	622
Db	1469	TGGCAGGA	AAAAACAG	ATCTGT	TGTGATATTT	TTTGAACGG	GATATACAGATTTGAAAT	1410
Qy	623	GAAGTCA	CAAAGTG	AGCATTA	CCAAATG	AGAGAAAA	ACAGACGAGAAAACTTGTATGGCTT	682
Db	1409	GAAGTCA	CAAAGTG	AGCATTA	CCAAATG	AGAGAAAA	ACAGACGAGAAAACTTGTATGGCTT	1350
Qy	683	CACAAGCA	TGCACAA	CAAAATG	GAATCTG	TGATGAC	CATGAGCAGCCACAGCTGGGG	742
Db	1349	CACAAGCA	TGCACAA	CAAAATG	GAATCTG	TGATGAC	CATGAGCAGCCACAGCTGGGG	1290
Qy	743	AGGAGTAA	CCAGGG	CAGAGGT	CAGGATCT	TGCCCCCT	CGCTGCTTAACTCTGCGTTC	802
Db	1289	AGGAGTAA	CCAGGG	CAGAGGT	CAGGATCT	TGCCCCCT	CGCTGCTTAACTCTGCGTTC	1230
Qy	803	ATAACAA	ATCATTT	CTCATATTT	CTAACCT	CAAAA	CAAAAGCTGTTGTAATCTGATCTC	862
Db	1229	ATAACAA	ATCATTT	CTCATATTT	CTAACCT	CAAAA	CAAAAGCTGTTGTAATCTGATCTC	1170
Qy	863	TACGGTTC	CTTGG	GGCCGA	ATCTCC	ATATAC	GCCACACATCTTTTAATATTT	922
Db	1169	TACGGTTC	CTTGG	GGCCGA	ATCTCC	ATATAC	GCCACACATCTTTTAATATTT	1110
Qy	923	AGTTCC	CAGATCT	GTGACCTT	CTACAC	TGTAG	ATAATACATTTACTCATTTTGTTC	982
Db	1109	AGTTCC	CAGATCT	GTGACCTT	CTACAC	TGTAG	ATAATACATTTACTCATTTTGTTC	1050
Qy	983	AAAGAC	CCCTCG	TGTGCT	CCCTAA	TATG	CTGACTGTTTTCTTAAGGAGTCTCTG	1042
Db	1049	AAAGAC	CCCTCG	TGTGCT	CCCTAA	TATG	CTGACTGTTTTCTTAAGGAGTCTCTG	990
Qy	1043	GCCAGG	GGATCT	GTGNA	CCAGG	CTGG	GAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	1102
Db	989	GCCAGG	GGATCT	GTGNA	CCAGG	CTGG	GAAGCATCTTTCCAGGGTTATACTTA	930
Qy	1103	CTAGCA	CACAG	CATG	ATCATTT	ACGG	AGTGAATTTCTAAATCAATCTCCTCAGTGCT	1162
Db	929	CTAGCA	CACAG	CATG	ATCATTT	ACGG	AGTGAATTTCTAAATCAATCTCCTCAGTGCT	870
Qy	1163	TTGCCA	TACTG	AAATTC	ATTTCC	CACTTT	TGCCCCATTTCTCAAGACCTC	1222
Db	869	TTGCCA	TACTG	AAATTC	ATTTCC	CACTTT	TGCCCCATTTCTCAAGACCTC	810
Qy	1223	TTCAAT	TAATAT	CACAG	GAATA	CTTTTTTT	TAAACCTGGGAAGAAATCAATGTTTACATG	1282
Db	809	TTCAAT	TAATAT	CACAG	GAATA	CTTTTTTT	TAAACCTGGGAAGAAATCAATGTTTACATG	750
Qy	1283	CAGCTA	TGGAA	TTTTAA	TATAC	ATTTTGT	TTTTTCCAGTGC	1342
Db	749	CAGCTA	TGGAA	TTTTAA	TATAC	ATTTTGT	TTTTTCCAGTGC	690
Qy	1343	TCCCTC	CCCTTGT	TGTG	ATTTTT	TTTTTCC	AGTAAAAATGCTTAG	1402
Db	689	TCCCTC	CCCTTGT	TGTG	ATTTTT	TTTTTCC	AGTAAAAATGCTTAG	630
Qy	1403	AGGCTG	TATAC	AG	CCCTC	CCCCAT	CCCTCAGGCTTATCTGTATCATCA	1461
Db	629	AGGCTG	TATAC	AG	CCCTC	CCCCAT	CCCTCAGGCTTATCTGTATCATCA	570

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QY 1462 CCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAATTCCTTTGAAACATGTCAGGNCATA 1521
D  : : : : :
Db CCCCTCCCATG-CACCTAAACAAAATCTAACTTGTAAATTCCTTTGAAACATGTCAGG-CATA 512

QY 1522 CATTRTTCCTTCTGCGCTGAGAAGCTCTTCCCTGTGTCTCTTAANTCTAGAATGATGAAGT 1581
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Db CATTAATCTCTGCGCTGAGAAGCTCTTCCCTGTGTCTCTTAAATCTAGAATGATGAAGT 452

QY 1582 TTTGAATAAGTTGACTATCTTACTTCATGCAAGAAGGAGACACATATGAGATTCATCATC 1641
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Db TTTGAATAAGTTGACTATCTTACTTCATGCAAGAAGGAGACACATATGAGATTCATCATC 392

QY 1642 ACATGAGACAGCAAAATPACTAAAAGTGTAATTTGATTTAAGAGTTTATAGATAAATATATGA 1701
D : : : : :
Db ACATGAGACAGCAAAATPACTAAAAGTGTAATTTGATTTAAGAGTTTATAGATAAATATATGA 332

QY 1702 AATGCAAGAKCCACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCTGGGATGTGAAGM 1761
D : : : : :
Db AATGCAAGAGCCACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCTGGGATGTGAAGC 272

QY 1762 AAAGGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTCCTATCTCTATCACA 1821
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Db AAAGGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTCCTATCTCTATCACA 212

QY 1822 ATATCCAAACAAGCTTTTTCAGAAATTCATGCAAGTGCAAAATCCCAAGGTAACCTTTATC 1881
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Db ATATCCAAACAAGCTTTTTCAGAAATTCATGCAAGTGCAAAATCCCAAGGTAACCTTTATC 152

QY 1882 CATTTCAATGCTGAGTCGCTTTAGAAATTTTGGCAATCATATCTGTCATCTATCTCAACT 1941
D : : : : :
Db CATTTCAATGCTGAGTCGCTTTAGAAATTTTGGCAATCATATCTGTCATCTATCTCAACT 92

QY 1942 TTGAGATGTTTGTCTTGTAGTTAATGAAAGAAATAGGCACTCTTGTGAGCCACTT 2001
D : : : : :
Db TTGAGATGTTTGTCTTGTAGTTAATGAAAGAAATAGGCACTCTTGTGAGCCACTT 32

QY 2002 TAGGTTCACTCCTCGCAATAAAGAATTTAC 2032
D : : : : :
Db 31 TAGGTTCACTCCTCGCAATAAAGAATTTAC 1
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RESULT 14
US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470
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Query Match 85.0%; Score 1731.4; DB 3; Length 2426;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1762; Conservative 4; Mismatches 2; Indels 3; Gaps 3;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTACCACTCTGAGCCACACATCTGCTGAAATGG 322
D : : : : :
Db 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTACCACTCTGAGCCACACATCTGCTGAAATGG 1710
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QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTGCATGT 382
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Db AGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTGCATGT 1650

QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGAACACAAAAGGAGACAC 442
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Db 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGAACACAAAAGGAGACAC 1590

QY 443 AGAGATCCCTGGGAGAAAATGCCCGCCGCATCTTTGGGTCATCGATGAGCCTCGCCCTGT 502
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Db 1599 AGAGATCCCTGGGAGAAAATGCCCGCCGCATCTTTGGGTCATCGATGAGCCTCGCCCTGT 1530

QY 503 GCCTCGTCCGCTTGTGAGGGAAGACATTAAGAAAATGAATTTGATGTGTCTTAAAGGA 562
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Db 1529 GCCTCGTCCGCTTGTGAGGGAAGACATTAAGAAAATGAATTTGATGTGTCTTAAAGGA 1470

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Db 1469 TGGGCAGAGAAAACAGATCCTGTTGGGATATTTATTTGAAACGGGATTAACAGATTTGAAT 1410

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Db 1409 GAAAGTCACAAAAGTAGCATTACCAATGAGAGGAAAACAGACGAGAAAATCTTTGATGGCTT 1350

QY 683 CACAAAGCATGCAACAAACAAAATGGAATACTGTGATGACATGAGCGAGCCCAAGCTGGGG 742
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Db 1349 CACAAAGCATGCAACAAACAAAATGGAATACTGTGATGACATGAGCGAGCCCAAGCTGGGG 1290

QY 743 AGGAGATACCAACGGGCGAGAGGCTCAGGATTTCTGGCCCTGCTGCTAAACATGTCGGTTC 802
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Db 1289 AGGAGATACCAACGGGCGAGAGGCTCAGGATTTCTGGCCCTGCTGCTAAACATGTCGGTTC 1230

QY 803 ATAACCAAAATCATTTTATAATTTCTAAACCTCAAAAACAAAGCTGTTGTAATATCTCATCTC 862
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QY 863 TACGGTTCTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAATATTT 922
D : : : : :
Db 1169 TACGGTTCTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAATATTT 1110

QY 923 AGTTCCAGACTGTACTGTGACCTTTCTACACTGTAGAATAACATTAACATTTTGTTC 982
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QY 983 AAAGACCCTTCTGTTGCTCCATAATATGACTGACTGTTTTTCTTAAGGAGTGTCTG 1042
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QY 1043 GCCCAGGGGATCTGGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTACTTTA 1102
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Db 749 CAGCTATGGGAATTAATTAACATATTTTGTCTCCAGTGCAGAAAGATGACTAAGTCTCTTA 690

QY 1343 TCCCTCCCTTGTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTTGTACTG 1402
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Db 689 TCCCTCCCTTGTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTTGTACTG 630

QY 1403 AGGCTGTATACAG-CACAGCCTCTCCCATCCCTTATCTGTCTACCATCAA 1461
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Db 629 AGGCTGTATACGACAGGCTCTCCCATCCCTCCAGCCTTATCTGTGCATCCACATCAA 570
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Db 511 CATTAATCTCTGCTGAGAGCTCTTCTGCTCTTAAATCTAGAATGATGTAAGT 452
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Qy 1642 ACATGAGACAGCAAACTACTAAAAAGTGTAAATTTGATTATAGAGTTTTAGATAAAATATATGA 1701
Db 391 ACATGAGACAGCAAACTACTAAAAAGTGTAAATTTGATTATAGAGTTTTAGATAAAATATATGA 332
Qy 1702 AATGCAAGAKCCACAGAGGAATGTTTATGCGGACAGTTTGTAAAGCTGGGATGTGAAGM 1761
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Qy 1762 AAAGGAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATCACA 1821
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Qy 1822 ATATCAACAAGCTTTTTCAGAGAAATTCATGACGTGCAAAATCCCAAGGTAACCTTTATC 1881
Db 211 ATATCAACAAGCTTTTTCAGAGAAATTCATGACGTGCAAAATCCCAAGGTAACCTTTATC 152
Qy 1882 CATTCATGCTGAGTGGCTTTAGAAATTTGGCAAAATCATATCTGTCACCTTATCTCAACT 1941
Db 151 CATTCATGCTGAGTGGCTTTAGAAATTTGGCAAAATCATATCTGTCACCTTATCTCAACT 92
Qy 1942 TTGAGATGTTTGTCTGCTTGTAGTAAATGAAAGAAATAGGACACTTGTGAGCCACTT 2001
Db 91 TTGAGATGTTTGTCTGCTTGTAGTAAATGAAAGAAATAGGACACTTGTGAGCCACTT 32
Qy 2002 TAGGGTTCACTCTCGGCAATAAAGAAATTTAC 2032
Db 31 TAGGGTTCACTCTCGGCAATAAAGAAATTTAC 1
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RESULT 15
US-09-636-215-470/c
; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-470

Query Match      85.0%; Score 1731.4; DB 4; Length 2426;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1762; Conservative 4; Mismatches 2; Indels 3; Gaps 3;

Qy 263 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
Db 1769 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
Qy 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTGACATGT 382
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Qy 683 CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAGCTGGGG 742
Db 1349 CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAGCTGGGG 1290
Qy 743 AGGAGATAACACGGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGGTTTC 802
Db 1289 AGGAGATAACACGGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGGTTTC 1230
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Db 1229 ATAACCAAAATCAATTTCAATATTTCTAACCTCAAAACAAAGCTGTGTGTAATATCTGATCTC 1170
Qy 863 TAGGGTTCTCTCTGGGCCCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATATTT 922
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Db 989 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACATTA 930
Qy 1103 CTAGCACACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCT 1162
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Db 869 TTGCCCATACTGAATTTCAATTTCCACCTTTGTGGCCCATTTCTCAAGAGCTCAAAATGTCA 810
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Qy	1223	TTCCATTAAATATACAGAGTTAACTTTTTTTTTTAACTGCGAAGAAATTCAATGTTACATG	1281
Db	809	TTCCATTAAATATACAGAGTTAACTTTTTTTTTTAACTGCGAAGAAATTCAATGTTACATG	750
Qy	1283	CAGCTATGGGAATTTAAATACATATTTGTTTCCAGTGCAGAGATGACATAAGTCCTTTA	1342
Db	749	CAGCTATGGGAATTTAAATACATATTTGTTTCCAGTGCAGAGATGACATAAGTCCTTTA	690
Qy	1343	TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCCTTGTACTG	1402
Db	689	TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCCTTGTACTG	630
Qy	1403	AGGCTGTATACAG-CACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCAATCACCATCAA	1461
Db	629	AGGCTGTATACAGCAGACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCAATCACCATCAA	570
Qy	1462	CCCCTCCCATNYSACCTTAAACAAAATCTAACTGCTGAATTCCTTGAAACATGTCAGNCATA	1521
Db	569	CCCCTCCCATG-CACCTTAAACAAAATCTAACTGCTGAATTCCTTGAAACATGTCAGNCATA	512
Qy	1522	CATTTRTTCCTTCGCTCGAGAGCTCTTCCTTGTCCTTAANTCTAGAATGATGATAAAGT	1581
Db	511	CATTATTCTTCGCTCGAGAGCTCTTCCTTGTCCTTAAATCTAGAATGATGATAAAGT	452
Qy	1582	TTTGAAATAAGTTGACTATCTTACTTTCATGCGAAGAGGACACATATGAGATTCATCATC	1641
Db	451	TTTGAAATAAGTTGACTATCTTACTTTCATGCGAAGAGGACACATATGAGATTCATCATC	392
Qy	1642	ACATGAGACAGCAAAATACTAAAAGTGAATTTGATATTAAGAGTTTAGATAAAATATATGA	1701
Db	391	ACATGAGACAGCAAAATACTAAAAGTGAATTTGATATTAAGAGTTTAGATAAAATATATGA	332
Qy	1702	AATGCAAGACCA CAGAGGGAATGTTTATGGGGCAGCGTTTGTAAGCCTGGGATGTGAAGM	1761
Db	331	AATGCAAGAGCCA CAGAGGGAATGTTTATGGGGCAGCGTTTGTAAGCCTGGGATGTGAAGC	272
Qy	1762	AAAGCGAGGGAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTCTATCACA	1821
Db	271	AAAGCGAGGGAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTCTATCACA	212
Qy	1822	ATATCCAAACAGCTTTTTCACAGAAATCATGCAGTGCAAAATCCCCAAAGGTAACCTTTATC	1881
Db	211	ATATCCAAACAGCTTTTTCACAGAAATCATGCAGTGCAAAATCCCCAAAGGTAACCTTTATC	152
Qy	1882	CATTTTCATGGTGAAGTGGCTTTAGAAATTTGGGCAAAATCATACTGGTCACATTATCTCAACT	1941
Db	151	CATTTTCATGGTGAAGTGGCTTTAGAAATTTGGGCAAAATCATACTGGTCACATTATCTCAACT	92
Qy	1942	TTGAGATGTGTTTGTCTTGTTAGTTTAAATGAAGAAATAGGGCACTCTTGTGAGCCACTT	2001
Db	91	TTGAGATGTGTTTGTCTTGTTAGTTTAAATGAAGAAATAGGGCACTCTTGTGAGCCACTT	32
Qy	2002	TAGGGTTCACTCTCTGGCAATTAAGAAATTTAC	2032
Db	31	TAGGGTTCACTCTCTGGCAATTAAGAAATTTAC	1

Result No.	Query			Description	
	Score	Match	Length	ID	
1	2032	99.8	2037	22	US-10-880-425A-1
2	2032	99.8	3582	22	US-10-880-425A-2
3	2032	99.8	3232	9	US-09-759-143-690
4	2032	99.8	3232	9	US-09-780-669-690
5	2032	99.8	3232	9	US-09-822-827-690
6	2032	99.8	3232	9	US-09-895-793-690
7	2032	99.8	3232	9	US-09-895-814-690
					Sequence 1, Appli
					Sequence 2, Appli
					Sequence 690, App
					Sequence 690, App
					Sequence 690, App
					Sequence 690, App
					Sequence 690, App

RESULT 1
US-10-880-425A-1
; Sequence 1, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880.425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1472)..(1472)
; OTHER INFORMATION: n = a, c, g or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1517)..(1517)
; OTHER INFORMATION: n = a, c, g or t

; FEATURE:									
; NAME/KEY: misc feature									
; LOCATION: (1563)..(1563)									
; OTHER INFORMATION: n = a, c, g or t									
US-10-880-425A-1									
Query Match 99.8%; Score 2032; DB 22; Length 2037;									
Best Local Similarity 100.0%; Pred. No. 0;									
Matches 2037; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	AGNAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG	60						
DB	1	AGNAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG	60						
QY	61	GAAGATCTGCATCGTGGGAGGACCTGATGATACAGAGGAATATACACATATACTTAG	120						
DB	61	GAAGATCTGCATCGTGGGAGGACCTGATGATACAGAGGAATATACACATATACTTAG	120						
QY	121	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCGGCTGTGAGTCTCTCAGT	180						
DB	121	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCGGCTGTGAGTCTCTCAGT	180						
QY	181	GACACAGGGCTGATCACCATCGACGGCACTTCTGAGTACTCAGTGCAGCAAGAAAGA	240						
DB	181	GACACAGGGCTGATCACCATCGACGGCACTTCTGAGTACTCAGTGCAGCAAGAAAGA	240						
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	300						
DB	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	300						
QY	301	GGCCAACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATA	360						
DB	301	GGCCAACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATA	360						
QY	361	TAATGTCTAAGTAGTACATGTTTTTGGACATTTCCAGCCCTTTAAATATCCACACACA	420						
DB	361	TAATGTCTAAGTAGTACATGTTTTTGGACATTTCCAGCCCTTTAAATATCCACACACA	420						
QY	421	CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCGCCATCTTGGG	480						
DB	421	CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCGCCATCTTGGG	480						
QY	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGTGAGGAAAGCAATTAGAAAATG	540						
DB	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGTGAGGAAAGCAATTAGAAAATG	540						
QY	541	AATTGATGTCTCTTAAGGATGGCGAGAAACAGATCCCTGTGTGGATATTTATTTG	600						
DB	541	AATTGATGTCTCTTAAGGATGGCGAGAAACAGATCCCTGTGTGGATATTTATTTG	600						
QY	601	AACGGGATTACAGATTGAAATGAACTCACAAGTGAGCATTTACCAATGAGAGGAAAAACA	660						
DB	601	AACGGGATTACAGATTGAAATGAACTCACAAGTGAGCATTTACCAATGAGAGGAAAAACA	660						
QY	661	GACGAGAAATCTTGATGGCTTCAAGAATGCAACAAATGGAATACTGTGATG	720						
DB	661	GACGAGAAATCTTGATGGCTTCAAGAATGCAACAAATGGAATACTGTGATG	720						
QY	721	ACATGAGGAGCCMAAGCTGGGAGGAGATAACACGGGGCAGAGGGTCAGGATCTGGCC	780						
DB	721	ACATGAGGAGCCMAAGCTGGGAGGAGATAACACGGGGCAGAGGGTCAGGATCTGGCC	780						
QY	781	CTGCTGCCCTAAACTGTGCGCTTCATAACCAAAATCATTTTCATATTTCAACCCCTCAAAAACA	840						
DB	781	CTGCTGCCCTAAACTGTGCGCTTCATAACCAAAATCATTTTCATATTTCAACCCCTCAAAAACA	840						
QY	841	AGCTGTTGTAATCTGATCTCTACCGTTCCCTTCTGGGCCCAACATTCCTCCATATATCCA	900						
DB	841	AGCTGTTGTAATCTGATCTCTACCGTTCCCTTCTGGGCCCAACATTCCTCCATATATCCA	900						
QY	901	GCCACACTCATTTTAAATATTTAGTTCCAGATCTGACTGTGACCTTCTACACTGTAG	960						
DB	901	GCCACACTCATTTTAAATATTTAGTTCCAGATCTGACTGTGACCTTCTACACTGTAG	960						

QY	961	AATAACATTACTCATTTTGGTTCAAAGACCCITTCGTGTGCTGCCTAAATATGTAGTGACT	1020						
DB	961	AATAACATTACTCATTTTGGTTCAAAGACCCITTCGTGTGCTGCCTAAATATGTAGTGACT	1020						
QY	1021	GTTTTTCTTAAGGAGTGTCTGGCCAGGGATCTGTGAAACAGGCTGGGAACATCTCAA	1080						
DB	1021	GTTTTTCTTAAGGAGTGTCTGGCCAGGGATCTGTGAAACAGGCTGGGAACATCTCAA	1080						
QY	1081	GATCTTTCCAGGGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTA	1140						
DB	1081	GATCTTTCCAGGGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTA	1140						
QY	1141	ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA	1200						
DB	1141	ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA	1200						
QY	1201	TTCTCAAGACCTCAAAATGTCTATTCAGTATGAGGATTAATTTTCCAGT	1260						
DB	1201	TTCTCAAGACCTCAAAATGTCTATTCAGTATGAGGATTAATTTTCCAGT	1260						
QY	1261	TGGAAGAAATTCAAATGTCTATTCAGTATGAGGATTAATTTTCCAGT	1320						
DB	1261	TGGAAGAAATTCAAATGTCTATTCAGTATGAGGATTAATTTTCCAGT	1320						
QY	1321	GCAAAAGATGACTAAAGTCTCTTATCCCTCCCTTTGTTGATTTTTCAGATATAAAGT	1380						
DB	1321	GCAAAAGATGACTAAAGTCTCTTATCCCTCCCTTTGTTGATTTTTCAGATATAAAGT	1380						
QY	1381	TAAATGCTTGGCTTGTACTGAGGCTGTATACAGCAGAGCCTCTCCCATCCCTCCAGC	1440						
DB	1381	TAAATGCTTGGCTTGTACTGAGGCTGTATACAGCAGAGCCTCTCCCATCCCTCCAGC	1440						
QY	1441	CTTATCTGTCTATCCATCAACCCCTCCCAATNYSAACCTTAAACAAATCTTAACTGTAAT	1500						
DB	1441	CTTATCTGTCTATCCATCAACCCCTCCCAATNYSAACCTTAAACAAATCTTAACTGTAAT	1500						
QY	1501	CCTTGAAACATGTCCAGNCATACATTTCTCTGCTGAGAAAGCTCTTCTCTCTCTCT	1560						
DB	1501	CCTTGAAACATGTCCAGNCATACATTTCTCTGCTGAGAAAGCTCTTCTCTCTCTCT	1560						
QY	1561	AANTCTAGAATGATGTAAGTTTGAATGATGATCTCTTACTTCTCATGCAAGAGGG	1620						
DB	1561	AANTCTAGAATGATGTAAGTTTGAATGATGATCTCTTACTTCTCATGCAAGAGGG	1620						
QY	1621	ACACATATGAGATTCATCATCAGACAGACAAATCTAAAGTGTAAATTTGATTATA	1680						
DB	1621	ACACATATGAGATTCATCATCAGACAGACAAATCTAAAGTGTAAATTTGATTATA	1680						
QY	1681	AGAGTTTAGATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCACCGTT	1740						
DB	1681	AGAGTTTAGATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCACCGTT	1740						
QY	1741	TGTAAGCCCTGGGATGTGAAGAAAGCGAGGACCTCATAGTATCTTATATATATACTTT	1800						
DB	1741	TGTAAGCCCTGGGATGTGAAGAAAGCGAGGACCTCATAGTATCTTATATATATACTTT	1800						
QY	1801	CATTTCTCTCTATCTCATCAATATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTCAAA	1860						
DB	1801	CATTTCTCTCTATCTCATCAATATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTCAAA	1860						
QY	1861	TCCCAAGAGTAAACCTTTTATCCATTTCTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA	1920						
DB	1861	TCCCAAGAGTAAACCTTTTATCCATTTCTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA	1920						
QY	1921	TACTGGTCACTTATCTCAACTTTGAGATGTGTTTCTCTTGTAGTAAATTTGAAGAAATA	1980						
DB	1921	TACTGGTCACTTATCTCAACTTTGAGATGTGTTTCTCTTGTAGTAAATTTGAAGAAATA	1980						
QY	1981	GGGCACTCTGTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA	2037						
DB	1981	GGGCACTCTGTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA	2037						

RESULT 2
US-10-880-425A-2
; Sequence 2, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 3582
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-880-425A-2

Query Match 99.8%; Score 2032; DB 22; Length 3582;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY	1	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTCGCGCGGAGGAGACCAG	60
DB	23	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTCGCGCGGAGGAGACCAG	82
QY	61	GAAGATCTGCATCGTGGGAAGGACCTGATCATACAGAGGAATTACAAACATATCTTAG	120
DB	83	GAAGATCTGCATCGTGGGAAGGACCTGATCATACAGAGGAATTACAAACATATCTTAG	142
QY	121	TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	180
DB	143	TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	202
QY	181	GACACAGGCTGCATCACCATCGACCGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACACAGGCTGCATCACCATCGACCGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACATTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACATTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA	360
DB	323	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA	382
QY	361	TAATGTCTAGTAGTGACATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACA	420
DB	383	TAATGTCTAGTAGTGACATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACA	442
QY	421	CAGGAAGCAAAAAGGAAGACACAGAGATCCCTGGGAAATGCCCGCCGCCATCTTGGG	480
DB	443	CAGGAAGCAAAAAGGAAGACACAGAGATCCCTGGGAAATGCCCGCCGCCATCTTGGG	502
QY	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTGTGAGGAAAGGACATTAAGAAATG	540
DB	503	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTGTGAGGAAAGGACATTAAGAAATG	562
QY	541	AATTGATGTGTTCTTAAGGATGGCAGCAAAACAGATCCTGTTGTGATTTATTTTG	600
DB	563	AATTGATGTGTTCTTAAGGATGGCAGCAAAACAGATCCTGTTGTGATTTATTTTG	622
QY	601	AACGGATTACAGATTGAAATGAAGTCAAAAAGTGAGCATTAACCAATGAGAGGAAACA	660
DB	623	AACGGATTACAGATTGAAATGAAGTCAAAAAGTGAGCATTAACCAATGAGAGGAAACA	682

QY	661	GACGAGAAAATCTTGATGCTTCAACAAGACATGCAACAAACAAAATGGAATACTGTGATG	720
DB	683	GACGAGAAAATCTTGATGCTTCAACAAGACATGCAACAAACAAAATGGAATACTGTGATG	742
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGGCAGAGGCTCAGGATTTCTGGCC	780
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGGCAGAGGCTCAGGATTTCTGGCC	802
QY	781	CTGCTGCTAAACTGTGCGTTTCAACCAAAATCAATTTCTTAATTTCTTAACCCCTCAAAACAA	840
DB	803	CTGCTGCTAAACTGTGCGTTTCAACCAAAATCAATTTCTTAATTTCTTAACCCCTCAAAACAA	862
QY	841	AGCTGTTTAATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCA	900
DB	863	AGCTGTTTAATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCA	922
QY	901	GCACACTCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACGTGTAG	960
DB	923	GCACACTCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACGTGTAG	982
QY	961	AATAACATTAATCAATTTTGTTCAAAGACCTTTGCTGTGCTGCTGCTTAATATGTAGTACT	1020
DB	983	AATAACATTAATCAATTTTGTTCAAAGACCTTTGCTGTGCTGCTGCTTAATATGTAGTACT	1042
QY	1021	GTTCCTTAAGAGAGTTCCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTCCTTAAGAGAGTTCCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCCAGGGTTATCTTACTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA	1140
DB	1103	GATCTTTCCAGGGTTATCTTACTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA	1162
QY	1141	ATCAACATCATCTCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCCACTTTTGTGCCCA	1200
DB	1163	ATCAACATCATCTCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCCACTTTTGTGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAAATGTCAATTCATTAATATACAGGATTAATTTTTTTTAAACC	1260
DB	1223	TTCTCAAGACCTCAAAAATGTCAATTCATTAATATACAGGATTAATTTTTTTTAAACC	1282
QY	1261	TGGAAGATTCATGTTACATGACGTATGGAAATTAATTAACATATTTGTTTTCAGT	1320
DB	1283	TGGAAGATTCATGTTACATGACGTATGGAAATTAATTAACATATTTGTTTTCAGT	1342
QY	1321	GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGT	1380
DB	1343	GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGT	1402
QY	1381	TAAATGCTTAGCTTACTGAGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATGCTTAGCTTACTGAGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCAATCACCATCAACCCCTCCCATNYACCTAAACAAAATCTAACTTGTAAAT	1500
DB	1463	CTTATCTGTCAATCACCATCAACCCCTCCCATACCACTTAACAAAATCTAACTTGTAAAT	1522
QY	1501	CCTTGAACATGTCAAGNACATCAATTTCTCTCTGCTGAGAAAGCTCTTCTGTTCTTT	1560
DB	1523	CCTTGAACATGTCAAGNACATCAATTTCTCTCTGCTGAGAAAGCTCTTCTGTTCTTT	1582
QY	1561	AANTCTAGATGATTAAGTTTTGAATTAAGTTGACTATCTTACTTCTATGCAAGAGGG	1620
DB	1583	AANTCTAGATGATTAAGTTTTGAATTAAGTTGACTATCTTACTTCTATGCAAGAGGG	1642
QY	1621	ACACATATGAGATTCATCATCATGAGACACAAATCTAAAGTGAATTTGATTATA	1680
DB	1643	ACACATATGAGATTCATCATCATGAGACACAAATCTAAAGTGAATTTGATTATA	1702
QY	1681	AGAGTTTGAATAAATATGAAATCAAGAKCCACAGAGGGGAATGTTTATGGGACCGTT	1740
DB	1703	AGAGTTTGAATAAATATGAAATCAAGAGCCACAGAGGGGAATGTTTATGGGACCGTT	1762
QY	1741	TGTAAGCCTGGGATGTGAAGMAAAGGACGGGAACCTCATAGTATCTTATATAATATACTTT	1800

D _b	1763	TGTAAGCCTGGGATGTGAAGCAAAAGCGGGAACCTCATAGTACTTTATATAAATATACTT	1822
Q _y	1801	CATTTCCTATCTCTATCACAAATATCCAACAAGCTTTTTTCACAGAATTCATGCAGTGCAAA	1860
D _b	1823	CATTTCCTCTATCTCTATCACAAATATCCAACAAGCTTTTTTCACAGAATTCATGCAGTGCAAA	1882
Q _y	1861	TCCCCAAAAGGTAACCTTTATCCATTTTCATGCTGAGTGGCTTTTAGAATTTTGGCAAATCA	1920
D _b	1883	TCCCCAAAAGGTAACCTTTATCCATTTTCATGCTGAGTGGCTTTTAGAATTTTGGCAAATCA	1942
Q _y	1921	TACTGGTCACTTATCTCAACTTTTGAGATGTGTTGTCTCTGTAGTTAAATGGAAGAAATA	1980
D _b	1943	TACTGGTCACTTATCTCAACTTTTGAGATGTGTTGTCTCTGTAGTTAAATGGAAGAAATA	2002
Q _y	1981	GGGCACCTCTGTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAATTTACAAGA	2037
D _b	2003	GGGCACCTCTGTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAATTTACAAGA	2059

RESULT 3

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US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Barrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TREATMENT OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690

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	Query Match	99.8%	Score 3022;	DB 9;	Length 3923;
	Best Local Similarity	99.6%;	Pred. No. 0;		
	Matches 2029;	Conservative 5;	Mismatches 3;	Indels 0;	Gaps 0;
Qy	1	AGAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCAGCGCGAGGGAGACCAG	60		
Db	23	AGAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCAGCGCGAGGGAGACCAG	82		
Qy	61	GAAGATCTGCATGTGGGAAGGACCTGATGATACAGAGGAAATTAACAACATATATCTTAG	120		
Db	83	GAAGATCTGCATGTGGGAAGGACCTGATGATACAGAGGAAATTAACAACATATATCTTAG	142		
Qy	121	TGTTTCAATGAACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	180		
Db	143	TGTTTCAATGAACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	202		
Qy	181	GACACAGGGCTTGGATCAACATCGACGCCATTTTCTTGAGTACTCAGTGCAGCAAAAGAA	240		

1321 GCAAGATGACTAAGTCTTATATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGT 1380
1343 GCAAGATGACTAAGTCTTATATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGT 1402
1381 TAAATGCTTGAAGCTTGTACTGAGGCTGTATACAGCACAGCCTCTCCCAATCCCTCCAGC 1440
1403 TAAATGCTTGAAGCTTGTACTGAGGCTGTATACAGCACAGCCTCTCCCAATCCCTCCAGC 1462
1441 CTATATGTCATCACCAATCAACCCCTCCCAATNYSACCTAAACAAAATCTAACTTGTAAAT 1500
1463 CTATATGTCATCACCAATCAACCCCTCCCAATNYSACCTAAACAAAATCTAACTTGTAAAT 1522
1501 CCTGACATGTCAGGNCATACATTTCTTCTGCTGAGAGCTCTTCTTGTCTCTT 1560
1523 CCTGACATGTCAGGNCATACATTTCTTCTGCTGAGAGCTCTTCTTGTCTCTT 1582
1561 AANTCTAGATGATGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGT 1620
1583 AANTCTAGATGATGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGT 1642
1621 ACATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1680
1643 ACATATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1702
1681 AGAGTTTGTAGTAAATATGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGT 1740
1703 AGAGTTTGTAGTAAATATGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGTGTAAGTGT 1762
1741 TGTAAAGCTGGGATGTGAAGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1800
1763 TGTAAAGCTGGGATGTGAAGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1822
1801 CATTTCTATCTCTATCAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 1860
1823 CATTTCTATCTCTATCAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 1882
1861 TCCCAAGAGTAACTTTATCAATATCAATATCAATATCAATATCAATATCAATATCAATATCA 1920
1883 TCCCAAGAGTAACTTTATCAATATCAATATCAATATCAATATCAATATCAATATCAATATCA 1942
1921 TACTGCTCACTTATCTCAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 1980
1943 TACTGCTCACTTATCTCAATATCAATATCAATATCAATATCAATATCAATATCAATATCAAT 2002
1981 GGGCACTCTTGTGAGGCACTTTAGGGTTCATCTCTGCAATAAAGAAATTTACAAAGA 2037
2003 GGGCACTCTTGTGAGGCACTTTAGGGTTCATCTCTGCAATAAAGAAATTTACAAAGA 2059

RESULT 4

US-09-780-669-690
; Sequence 690, Application US/09780669
; Patent No. US2002005197A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-780-669-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY	1	AGAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGGAGACCAG	60
DB	23	AGAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGGAGACCAG	82
QY	61	GAAGATCTGCATGCTGGGAGGACCTGATGATACAGAGGAATTTACACACATATCTTAG	120
DB	83	GAAGATCTGCATGCTGGGAGGACCTGATGATACAGAGGAATTTACACACATATCTTAG	142
QY	121	TGTTTCAATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT	180
DB	143	TGTTTCAATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT	202
QY	181	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTCAGCTTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTCAGCTTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAAATGGAGATAATTAACATCCTAGAAACAGCAAGATGACAATA	360
DB	323	GGCCACACATCTGCTGAAATGGAGATAATTAACATCCTAGAAACAGCAAGATGACAATA	382
QY	361	TAATGCTTAAGTAGTACATGTTTTTGGACATTTCCAGCCCTTTAAATATCCACACACA	420
DB	383	TAATGCTTAAGTAGTACATGTTTTTGGACATTTCCAGCCCTTTAAATATCCACACACA	442
QY	421	CAGGAGACAAAAGGAGACACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG	480
DB	443	CAGGAGACAAAAGGAGACACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG	502
QY	481	TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540
DB	503	TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	562
QY	541	AATTGATGTTCTTTAAAGGATGGGACAGAAAACAGATCTCTGTTGGATATTTATTTG	600
DB	563	AATTGATGTTCTTTAAAGGATGGGACAGAAAACAGATCTCTGTTGGATATTTATTTG	622
QY	601	AACGGGATTTACAGATTTGAAATGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG	660
DB	623	AACGGGATTTACAGATTTGAAATGAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG	682
QY	661	GACGAGAAATCTTGTATGGCTTTCACAAAGATGCAACAAACAAACAAACAAACAAACAAAC	720
DB	683	GACGAGAAATCTTGTATGGCTTTCACAAAGATGCAACAAACAAACAAACAAACAAACAAAC	742
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATTAACACAGGGGAGAGGCTCAGGATTTCTGGCC	780
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATTAACACAGGGGAGAGGCTCAGGATTTCTGGCC	802
QY	781	CTGCTGCTTAACTGTGCTTCAATCAACCAATCTTCTATATTTCTTAAACCTCAACAAACA	840

Db 803 CTGCTGCCTAAACTGTGCGTTCTATAACCAAAATCAITTTTCATATTTCTAACCCCTCAAAACAA 862

Qy 841 AGCTGTTGTAATATCTGATCTCTACGTTCTCTTCTGGGCCCAACATCTTCCATATATCCA 900

Db 863 AGCTGTTGTAATATCTGATCTCTACGTTCTCTTCTGGGCCCAACATCTTCCATATATCCA 922

Qy 901 GCCACACTCATTTTTTAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960

Db 923 GCCACACTCATTTTTTAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982

Qy 961 AATAACATTAATCTATTTTGTTCAAAGACCCCTTCGTGTGCTGCTGCTGAATATGTAAGTACT 1020

Db 983 AATAACATTAATCTATTTTGTTCAAAGACCCCTTCGTGTGCTGCTGAATATGTAAGTACT 1042

Qy 1021 GTTTTTCTTAAGGAGTGTCTGCCCCAGGGGATCTGTGAACAGCGTGGGAAGCATCTCAA 1080

Db 1043 GTTTTTCTTAAGGAGTGTCTGCCCCAGGGGATCTGTGAACAGCGTGGGAAGCATCTCAA 1102

Qy 1081 GATCTTTCCAGGGTTATACTTACTAGCACACAGCATGATCATPACGGAGTGAATATCTTA 1140

Db 1103 GATCTTTCCAGGGTTATACTTACTAGCACACAGCATGATCATPACGGAGTGAATATCTTA 1162

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Db 1163 ATCAACATCATCTCAGTGTCTTGGCCCATACTGAAATTCATTTCCACCTTTTGTGCCCA 1222

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Db 1283 TGAAGAATTCATGTTTACATGACGCTATGGGAATTTAATACATATTTTGTTTTCCAGT 1342

Qy 1321 GCNAAAGATGATTAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1380

Db 1343 GCNAAAGATGATTAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1402

Qy 1381 TAAATGCTTTAGCTTTGTAAGTCTGAGGCTGTATACAGCACAGCTCTCCCATCCCTCCAG 1440

Db 1403 TAAATGCTTTAGCTTTGTAAGTCTGAGGCTGTATACAGCACAGCTCTCCCATCCCTCCAG 1462

Qy 1441 CTTATCTGTATCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT 1500

Db 1463 CTTATCTGTATCACCATCAACCCCTCCCATCAACCAATCTAACTTGTAAAT 1522

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Db 1523 CTTTGAACATGTCAGNATCATATTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1582

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Db 1643 ACACATATGAGATTCATATCATCATGAGACAGCAAAATACATAAAGTGTAAATTTGATTATA 1702

Qy 1681 AGAGTTTAGATAATATATGAATGCAAGKCCACAGAGGATGTTTATGGGCAAGTT 1740

Db 1703 AGAGTTTAGATAATATATGAATGCAAGKCCACAGAGGATGTTTATGGGCAAGTT 1762

Qy 1741 TGTAAAGCTGGGATGTGAAGMAAGGACGGAACCTCATAGTATCTTATATATATATATCTT 1800

Db 1763 TGTAAAGCTGGGATGTGAAGMAAGGACGGAACCTCATAGTATCTTATATATATATATCTT 1822

Qy 1801 CATTTCTCTATCTATCAATATATCAACAGCTTTTCAAGAAATTCATGAGTGCAAA 1860

Db 1823 CATTTCTCTATCTATCAATATATCAACAGCTTTTCAAGAAATTCATGAGTGCAAA 1882

Qy 1861 TCCCCAAAGGTAACTTTATCCATTTTCAATGAGTGCCTTTAGAAATTTTGGCAATCA 1920

Db 1883 TCCCCAAAGGTAACTTTATCCATTTTCAATGAGTGCCTTTAGAAATTTTGGCAATCA 1942

Qy 1921 TACTGCTCACTTATCTCAACTTTGAGATGTGTTTGTCTTGTAGTTAAATGAAAGAAATA 1980

Db 1943 TACTGCTCACTTATCTCAACTTTGAGATGTGTTTGTCTTGTAGTTAAATGAAAGAAATA 2002

Qy 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2037

Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2059

RESULT 5

US-09-822-827-690

; Sequence 690, Application US/09822827

; Patent No. US20020081680A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.534C1

; CURRENT APPLICATION NUMBER: US/09/822,827

; NUMBER OF SEQ ID NOS: 982

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-822-827-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

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Qy 1 AGAAGCTGCGATCAGAAAACAGAGGGGAGATTTCTGTGGCTGCAGCCGAGGAGACCAAG 60

Db 23 AGAAGCTGCGATCAGAAAACAGAGGGGAGATTTCTGTGGCTGCAGCCGAGGAGACCAAG 82

Qy 61 GAAGATCTGCATGTGTGGGAAGGACCTGATGATACAGAGGAATTTACAAACATATATCTTAG 120

Db 83 GAAGATCTGCATGTGTGGGAAGGACCTGATGATACAGAGGAATTTACACATATATCTTAG 142

Qy 121 TGTTTCAATGAACCAACAGATAAATAGTGAAGACTAGTCCGCTGTGAGTCTCTCAGT 180

Db 143 TGTTTCAATGAACCAACAGATAAATAGTGAAGACTAGTCCGCTGTGAGTCTCTCAGT 202

Qy 181 GACACAGGCTGGATCACCATCGACGGCACCTTCTGAGTACTCAGTGCAGCAAGAAAGA 240

Db 203 GACACAGGCTGGATCACCATCGACGGCACCTTCTGAGTACTCAGTGCAGCAAGAAAGA 262

Qy 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATTAAGAAAGGCTGCTGACTTTTACCATCTGA 300

Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATTAAGAAAGGCTGCTGACTTTTACCATCTGA 322

Qy 301 GGCACACATCTGCTGAAATGAGATATTAATACATCACTAGAAACAGCAAGATGACAATA 360

Db 323 GGCACACATCTGCTGAAATGAGATATTAATACATCACTAGAAACAGCAAGATGACAATA 382

Qy 361 TAATGCTCTAAGTGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATATATCCACACA 420

Db 383 TAATGCTCTAAGTGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATATATCCACACA 442

Qy 421 CAGGAAGCACAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGGCCGCGCATCTTGGG 480

Db 443 CAGGAAGCACAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGGCCGCGCATCTTGGG 502

Qy 481 TCATGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540

Db 503 TCATGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562

Qy 541 AATTGATGTTTCTTAAAGGATGGCAGGAAAAACAGATCCCTGTTGTGATATTTATTG 600

Db 563 AATTGATGTTTCTTAAAGGATGGCAGGAAAAACAGATCCCTGTTGTGATATTTATTG 622

601 AACGGATTACAGATTGAAATGAAGTCACAAAGTGAGCATTAACCAATGAGAGGAAAAACA 660
623 AACGGGATTAACAGATTGAAATGAAGTCACAAAGTGAGCATTAACCAATGAGAGGAAAAACA 682
661 GACGAGAAATCTTGATGCTTCACAAAGACATGCAACAAACAAATGGAATCTGTGATG 720
683 GACGAGAAATCTTGATGCTTCACAAAGACATGCAACAAACAAATGGAATCTGTGATG 742
721 ACATGAGGAGCAAGCTCGGGAGGAGATAACCAAGGAGGAGGAGGATCTGTGATG 780
743 ACATGAGGAGCAAGCTCGGGAGGAGATAACCAAGGAGGAGGAGGATCTGTGATG 802
781 CTGCTGCTTAAGTGTGCTTCATACCAATCAATTTCTAATTTCTAATTTCTAATTTCTA 840
803 CTGCTGCTTAAGTGTGCTTCATACCAATCAATTTCTAATTTCTAATTTCTAATTTCTA 862
841 AGCTGTGTGAATATCTGATCTCTACAGTTCTCTGCGGCCCAACATTTCTCCATATATCA 900
863 AGCTGTGTGAATATCTGATCTCTACAGTTCTCTGCGGCCCAACATTTCTCCATATATCA 922
901 GCCACACTCATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960
923 GCCACACTCATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
961 AATAACATTAATCTTTGTTCAAGACCTTCTGTTGCTGCTGCTTAATATGTAGTACT 1020
983 AATAACATTAATCTTTGTTCAAGACCTTCTGTTGCTGCTGCTTAATATGTAGTACT 1042
1021 GTTTTTCTTAAGAGTGTCTGCGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
1043 GTTTTTCTTAAGAGTGTCTGCGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
1081 GATCTTTCCAGGGTTATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTA 1140
1103 GATCTTTCCAGGGTTATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTA 1162
1141 ATCAACATCATCTCAGTGTCTTTGCCATATCTGAAATTCATTTCCACTTTGTGCGCCA 1200
1163 ATCAACATCATCTCAGTGTCTTTGCCATATCTGAAATTCATTTCCACTTTGTGCGCCA 1222
1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAAC 1260
1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAAC 1282
1261 TGAAGAATTAATGTTACATGAGCTATGGAATTTAATACATATTTTGTTCCTCAAT 1320
1283 TGAAGAATTAATGTTACATGAGCTATGGAATTTAATACATATTTTGTTCCTCAAT 1342
1321 GCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
1343 GCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1402
1381 TAAATGCTTAGCTTGTAGTGGCTGTATACAGACAGCTCTCCCATCCCTCCAGC 1440
1403 TAAATGCTTAGCTTGTAGTGGCTGTATACAGACAGCTCTCCCATCCCTCCAGC 1462
1441 CTTATCTGTCATCACCATCAACCTCCCATNYTACCTAAACAAATCTTAACTTTGTAAT 1500
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1501 CTTGAAATGTCAGNATATATTTCTTCTGCTGAGAGCTCTTCTTCTGCTCTT 1560
1523 CTTGAAATGTCAGNATATATTTCTTCTGCTGAGAGCTCTTCTTCTGCTCTT 1582
1561 AANTCTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1620
1583 AANTCTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1642
1621 ACACATATGAGATTTCTATCATCATGAGACAGCAATATCTAATGATGATGATGATGAT 1680
1643 ACACATATGAGATTTCTATCATCATGAGACAGCAATATCTAATGATGATGATGATGAT 1702
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RESULT 6

US-09-895-793-690
; Sequence 690, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Huxal, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;
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QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCCGAGGACCAAG 60
DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCCGAGGACCAAG 82
QY 61 GAAGATCTGCATGTTGGGAGGACCTGTATGATACAGAGGAATTTACACATATATCTTAG 120

Db 83 |||||GAAGATCTCGATGGTGGGAGGACCTTGATGATACAGAGGAATTTACAACACATATACTTAG 142
Qy 121 TGTTCCTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180
Db 143 TGTTCCTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 202
Qy 181 GACACAGGGCTGGATCACCATCGACGGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
Db 203 GACACAGGGCTGGATCACCATCGACGGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
Qy 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGCGCTGCTGACTTTACCATCTGA 300
Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGCGCTGCTGACTTTACCATCTGA 322
Qy 301 GGCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATA 360
Db 323 GGCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATA 382
Qy 361 TAATGTCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACA 420
Db 383 TAATGTCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACA 442
Qy 421 CAGGAAGCAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCGCGCCGCAATCTTGGG 480
Db 443 CAGGAAGCAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCGCGCCGCAATCTTGGG 502
Qy 481 TCATCGATCAGCTCGCCCTGTGCGCTGTCGCGCTGTGAGGAGGACATTTAGAAATG 540
Db 503 TCATCGATCAGCTCGCCCTGTGCGCTGTCGCGCTGTGAGGAGGACATTTAGAAATG 562
Qy 541 AATTGATGTGTTCCCTTAAAGGATGGCAGGAAAAACAGATCCTGTGTGGATATTTATTTG 600
Db 563 AATTGATGTGTTCCCTTAAAGGATGGCAGGAAAAACAGATCCTGTGTGGATATTTATTTG 622
Qy 601 AACGGGATACAGATTTGAAATGAAGTCAAAAGTAGCATTTACCAATGAGAGGAAACA 660
Db 623 AACGGGATACAGATTTGAAATGAAGTCAAAAGTAGCATTTACCAATGAGAGGAAACA 682
Qy 661 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATACTGTGATG 720
Db 683 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATACTGTGATG 742
Qy 721 ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCC 780
Db 743 ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCC 802
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Db 803 CTGCTGCCTAAACTGTGCGTTTCAACCAAAATCATTTTCAATATTTCTAACCCCTCAAAACA 862
Qy 841 AGCTGTTGTAATCTGATCTCTACGGTTTCTTGGGGCCCAACATTCCTCCATATATCCA 900
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Db 923 GCCACACTCAATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
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Db 983 AATAACATTTACTCATTTTGTTCAAAGACCTTTCGTGCTGCTGCTAAATATGTAGCTGACT 1042
Qy 1021 GTTTTTCTTAAGAGTGTTCGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
Db 1043 GTTTTTCTTAAGAGTGTTCGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
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Db 1103 GATCTTTCAGGGTTATATCTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA 1162
Qy 1141 ATCAACATCATCTCAGTGTCTTTGCCCATCTGAAATTCATTTCCCACTTTGTGCCCA 1200

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Qy 1201 TTCTCAAGACCTCAAAATGTCAATTCATTAATATACAGGATTAATCTTTTAAAAACC 1260
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Qy 1261 TGGAGAAATTCAAATGTTTACATGCAGCTATGGGAATTTAAATACATATTTTGTTCCTCAGT 1320
Db 1283 TGGAGAAATTCAAATGTTTACATGCAGCTATGGGAATTTAAATACATATTTTGTTCCTCAGT 1342
Qy 1321 GCAAAGATGACTAAGTCTCTTATCCCTCCCTTTGTGTTGATTTTTCCTCCAGTATAAAGT 1380
Db 1343 GCAAAGATGACTAAGTCTCTTATCCCTCCCTTTGTGTTGATTTTTCCTCCAGTATAAAGT 1402
Qy 1381 TAAATGCTTTAGCTTGTACTGAGGCTGTATACAGACAGAGCTCTCCCATCCCTCCAGC 1440
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Qy 1441 CTTATCTCTCATCCATCAACCCCTCCCATNYSACCTTAAACAAATCTAACTTGTAAAT 1500
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Db 1523 CTTGAAACATGTACAGGNCATACATTTTCCTTCTGCTCGAGAGCTCTTCTTGTCTCTT 1582
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Qy 1681 AGAGTTAGATAAATATATGAAATGCAAGATCCACAGAGGAAATTTTATGGGACAGTT 1740
Db 1703 AGAGTTTAGATAAATATATGAAATGCAAGATCCACAGAGGAAATTTTATGGGACAGTT 1762
Qy 1741 TGTAAAGCTCGGATGTGAAAGGAGGAGGAACTCATAGTATCTTATATAATATACTT 1800
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Qy 1801 CATTTCTCTATCTCTATCACAATATCCAAAGCTTTTTCACAGAAATTCAGCAGTGCAAA 1860
Db 1823 CATTTCTCTATCTCTATCACAATATCCAAAGCTTTTTCACAGAAATTCAGCAGTGCAAA 1882
Qy 1861 TCCCAAGAGTAACTTTTATCCATTTTCATGCTGAGTGCCTTTAGAAATTTTGGCAAAATCA 1920
Db 1883 TCCCAAGAGTAACTTTTATCCATTTTCATGCTGAGTGCCTTTAGAAATTTTGGCAAAATCA 1942
Qy 1921 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTCTGTAGTTAATTTGAAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTCTGTAGTTAATTTGAAAGAAATA 2002
Qy 1981 GGGCACTCTTGTGAGGCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTCAAAAGA 2037
Db 2003 GGGCACTCTTGTGAGGCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTCAAAAGA 2059

RESULT 7

US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
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; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-895-814-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY	1	AGNAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGGCTGCAGCCGAGGGAGACCAG	60
DB	23	AGNAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGGCTGCAGCCGAGGGAGACCAG	82
QY	61	GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAATTACAAACATATCTTAG	120
DB	83	GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAATTACAAACATATCTTAG	142
QY	121	TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	180
DB	143	TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	202
QY	181	GACAGAGGCTGGATCACCATGACCGCCTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACAGAGGCTGGATCACCATGACCGCCTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACCTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACCTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA	360
DB	323	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA	382
QY	361	TAATGCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACA	420
DB	383	TAATGCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACA	442
QY	421	CAGGAAGCAAAAAGGAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCATCTTGGG	480
DB	443	CAGGAAGCAAAAAGGAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCATCTTGGG	502
QY	481	TCATCGATGAGCTCGCCCTGTGCTGGTCCCGCTTTGTGAGGGAAGGACATTAGAAATG	540
DB	503	TCATCGATGAGCTCGCCCTGTGCTGGTCCCGCTTTGTGAGGGAAGGACATTAGAAATG	562
QY	541	AATTGATGTGTTCTTAAAGGATGGCAGGAAAAAGATCTGTTGTGATATTTATTGG	600
DB	563	AATTGATGTGTTCTTAAAGGATGGCAGGAAAAAGATCTGTTGTGATATTTATTGG	622
QY	601	AACGGGATTACAGATTGTAAGTGAAGTCAACAAGTGAAGTACCAATCAGAGGAAAAACA	660
DB	623	AACGGGATTACAGATTGTAAGTGAAGTCAACAAGTGAAGTACCAATCAGAGGAAAAACA	682

QY	661	GACGAGAAAAATCTTGATGGCTTTCACAGACATGCAACAAACAAAAATGGAAATCTGTGATG	720
DB	683	GACGAGAAAAATCTTGATGGCTTTCACAGACATGCAACAAACAAAAATGGAAATCTGTGATG	742
QY	721	ACATGAGGCGCAAGCTGGGAGGAGATGAAACACGCGGGCAGAGGGTCAGGATCTGGCC	780
DB	743	ACATGAGGCGCAAGCTGGGAGGAGATGAAACACGCGGGCAGAGGGTCAGGATCTGGCC	802
QY	781	CTGCTGCCTAAAACTGTGCGTTTCATACCAAAATCATTTTCTAATATTTCTAAACCTCAAAACAA	840
DB	803	CTGCTGCCTAAAACTGTGCGTTTCATACCAAAATCATTTTCTAATATTTCTAAACCTCAAAACAA	862
QY	841	AGCTGTGTPAATATCTGATCTCTACGGTTCCTTGGGCCCCAACATTTCTCCATATATCCA	900
DB	863	AGCTGTGTPAATATCTGATCTCTACGGTTCCTTGGGCCCCAACATTTCTCCATATATCCA	922
QY	901	GCACACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTCTACACTGTAG	960
DB	923	GCACACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTCTACACTGTAG	982
QY	961	AATAACATTACTCATTTTGTTCAAAGACCTTTCGTTGCTGCTCCTAATATGTAGCTGACT	1020
DB	983	AATAACATTACTCATTTTGTTCAAAGACCTTTCGTTGCTGCTCCTAATATGTAGCTGACT	1042
QY	1021	GTTCCTTCCCTAAGGAGTGTTCGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTCCTTCCCTAAGGAGTGTTCGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTCCAGGGTTTACTTACTTAGCACACAGCATGATCATTCAGGAGTGAATATCTTA	1140
DB	1103	GATCTTCCAGGGTTTACTTACTTAGCACACAGCATGATCATTCAGGAGTGAATATCTTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTCGCCATCTGAAATTCATTTCCCACTTTGTGGCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTCGCCATCTGAAATTCATTTCCCACTTTGTGGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCAATTCATTAATATCACAGGATTAATTTTTTTTAAAC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCAATTCATTAATATCACAGGATTAATTTTTTTTAAAC	1282
QY	1261	TGGAAGATTCATCTTACATGACGATGGAATTAATACATATTTTGTTCCTCAGT	1320
DB	1283	TGGAAGATTCATCTTACATGACGATGGAATTAATACATATTTTGTTCCTCAGT	1342
QY	1321	GAAAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGT	1380
DB	1343	GAAAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGT	1402
QY	1381	TAAAAATGCTTAGCTTGTACTGAGGCTGTATACAGCAGACGCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAAAATGCTTAGCTTGTACTGAGGCTGTATACAGCAGACGCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCATCACCATCAACCCCTCCCATNYSACCTAAACAAATCTTAACCTTGAAT	1500
DB	1463	CTTATCTGTCATCACCATCAACCCCTCCCATNYSACCTAAACAAATCTTAACCTTGAAT	1522
QY	1501	CCTTGAAACATGTCCAGNCATACATTTTCTTCTCCCTGAGAGCTCTTCTTGTCTCTT	1560
DB	1523	CCTTGAAACATGTCCAGNCATACATTTTCTTCTCCCTGAGAGCTCTTCTTGTCTCTT	1582
QY	1561	AANTCTAGAAATGATGATAAGTTTGAATGATGATCTTCTTCTTCTTCTTCTTCTTCTT	1620
DB	1583	AAATCTAGAAATGATGATAAGTTTGAATGATGATCTTCTTCTTCTTCTTCTTCTTCTT	1642
QY	1621	ACACATATGAGATTCATCATCAGACAGCAATATAAAGTGAATTTGATTTATA	1680
DB	1643	ACACATATGAGATTCATCATCAGACAGCAATATAAAGTGAATTTGATTTATA	1702
QY	1681	AGAGTTTATGATAAATATATGAAATGCAAGACCCACAGAGGGAATGTTTATGGGCACTT	1740
DB	1703	AGAGTTTATGATAAATATATGAAATGCAAGACCCACAGAGGGAATGTTTATGGGCACTT	1762

QY 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGAGTTAACTTTTTTTTAAACC 1260
DB 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGAGTTAACTTTTTTTTAAACC 1282
QY 1261 TGGAGAAATTCATGTTTACATGACAGCTATGGGAATTTAATTAATATATGTTTTCACGT 1320
DB 1283 TGGAGAAATTCATGTTTACATGACAGCTATGGGAATTTAATTAATATATGTTTTCACGT 1342
QY 1321 GCAAAGATCACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1380
DB 1343 GCAAAGATCACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1402
QY 1381 TAAATGCTTAGCTTGTACTGAGCTGTATACAGACAGACCTCTCCCATCCCTCCAGC 1440
DB 1403 TAAATGCTTAGCTTGTACTGAGCTGTATACAGACAGACCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTCAATCACCATCAACCCCTCCCATNVSACTTAAACAAATCTAATCTGTAAT 1500
DB 1463 CTTATCTGTCAATCACCATCAACCCCTCCCATACCACTTAAACAAATCTAATCTGTAAT 1522
QY 1501 CTTGAACATGTCAAGNATACATTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1560
DB 1523 CTTGAACATGTCAAGNATACATTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1582
QY 1561 AANTCTAGAAATGATAAGTTTGAATTAAGTTGACTATCTTACTTATGCAAGAGG 1620
DB 1583 AANTCTAGAAATGATAAGTTTGAATTAAGTTGACTATCTTACTTATGCAAGAGG 1642
QY 1621 ACACATATCAGATTCATCATCATGACAGACCAATATCTAAAGTGTAAATTTGATTATA 1680
DB 1643 ACACATATCAGATTCATCATCATGACAGACCAATATCTAAAGTGTAAATTTGATTATA 1702
QY 1681 AGAGTTTGTAGTAAATATATGAATCAAGAKCCACAGAGGGAATGTTTATGGGCACTT 1740
DB 1703 AGAGTTTGTAGTAAATATATGAATCAAGAGCCACAGAGGGAATGTTTATGGGCACTT 1762
QY 1741 TGTAAAGCTGGAGTGAAGMAAGGACAGGGAACCTCATAGTATCTTATATATATATCTT 1800
DB 1763 TGTAAAGCTGGAGTGAAGMAAGGACAGGGAACCTCATAGTATCTTATATATATATCTT 1822
QY 1801 CATTTCTCTATCTCATCAATATCCAAACAGCTTTTACAGAGATTCATGAGTGCATA 1860
DB 1823 CATTTCTCTATCTCATCAATATCCAAACAGCTTTTACAGAGATTCATGAGTGCATA 1882
QY 1861 TCCCAAAGGTAACTTTATCCATTTTCATGAGTGCCTTTAGAAATTTTGGCAAATCA 1920
DB 1883 TCCCAAAGGTAACTTTATCCATTTTCATGAGTGCCTTTAGAAATTTTGGCAAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACTTTGAGATGTGTTGTCCTTGTAGTAAATTTGAAAGAAATA 1980
DB 1943 TACTGGTCACTTATCTCAACTTTGAGATGTGTTGTCCTTGTAGTAAATTTGAAAGAAATA 2002
QY 1981 GGGCACTCTTGAGCCACTTTAGGGTTTACCTCCCTGGCAATTAAGAAATTTACAAAGA 2037
DB 2003 GGGCACTCTTGAGCCACTTTAGGGTTTACCTCCCTGGCAATTAAGAAATTTACAAAGA 2059

RESULT 9

US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacharava, Bella
; APPLICANT: Hoersach, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Wansley, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei

; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-205-823-316

Query Match 99.8%; Score 2032; DB 15; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;

Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGAGCTGGCATCAGAAAACAGAGGGGAGATTTGTGTGGCTGCAGCCGAGGAGACAG 60
DB 23 AGAGCTGGCATCAGAAAACAGAGGGGAGATTTGTGTGGCTGCAGCCGAGGAGACAG 82
QY 61 GAAAGTCTGCATGTGGGAGGACCTGATGATACAGAGGAATTAACAACACATATCTTAG 120
DB 83 GAAGATCTGCATGTGGGAGGACCTGATGATACAGAGGAATTAACAACATATCTTAG 142
QY 121 TGTTCATTAAGAACCAACAGAGTAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 180
DB 143 TGTTCATTAAGAACCAACAGTAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 202
QY 181 GACACAGGCTGGATCCATCCGAGGACCTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
DB 203 GACACAGGCTGGATCCATCCGAGGACCTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
QY 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGA 300
DB 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGA 322
QY 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATA 360
DB 323 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATA 382
QY 361 TAATGCTTAAGTGTAGTATGATGTTTTCACATTTTCCAGCCCTTTAAATATCCACACA 420
DB 383 TAATGCTTAAGTGTAGTATGATGTTTTCACATTTTCCAGCCCTTTAAATATCCACACA 442
QY 421 CAGGAAGCAGAAAAGGAGCAGACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGG 480
DB 443 CAGGAAGCAGAAAAGGAGCAGACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGG 502
QY 481 TCATCGATGAGCCCTGGCCCTGTGCTGCTGCTGCCGCTGTGAGGGAAGGACATTTAGAAAAATG 540
DB 503 TCATCGATGAGCCCTGGCCCTGTGCTGCTGCTGCCGCTGTGAGGGAAGGACATTTAGAAAAATG 562
QY 541 AATTGATGTGTTCTTAAAGGATGGGAGGAAACAGATCTCTGTTGAGATATTTATTG 600
DB 563 AATTGATGTGTTCTTAAAGGATGGGAGGAAACAGATCTCTGTTGAGATATTTATTG 622
QY 601 AACGGGATTACAGATTTGAAATGAAGTACAAAGTGAAGCTATTCACATGAGAGGAAAAACA 660
DB 623 AACGGGATTACAGATTTGAAATGAAGTACAAAGTGAAGCTATTCACATGAGAGGAAAAACA 682

QY 661 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATG 720
Db 683 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATG 742
QY 721 ACATGAGGAGCAACAGCTGGGAGGAGATTAACACGGGCGAGGGTCAAGGATCTGGCC 780
Db 743 ACATGAGGAGCAACAGCTGGGAGGAGATTAACACGGGCGAGGGTCAAGGATCTGGCC 802
QY 781 CTGCTGCCTAAACCTGTCGCTTCATTAACCAAAATCAATTTTCATATTTCTAAACCTCAAAACAA 840
Db 803 CTGCTGCCTAAACCTGTCGCTTCATTAACCAAAATCAATTTTCATATTTCTAAACCTCAAAACAA 862
QY 841 AGCTGTTGTAATCTGATCTCTACCGTTCCTTCTGGGCGCAACATCTTCCATATATCCA 900
Db 863 AGCTGTTGTAATCTGATCTCTACCGTTCCTTCTGGGCGCAACATCTTCCATATATCCA 922
QY 901 GCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTCTACACTGTAG 960
Db 923 GCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTCTACACTGTAG 982
QY 961 AATAACATTAATCTTTTCTCAAGACCTTTCGTTGCTGCTCAATATGTAGCTGACT 1020
Db 983 AATAACATTAATCTTTTCTCAAGACCTTTCGTTGCTGCTCAATATGTAGCTGACT 1042
QY 1021 GTTTTTCTTAAGAGGTTCCTGCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
Db 1043 GTTTTTCTTAAGAGGTTCCTGCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
QY 1081 GATCTTTCCAGGGTTATCTACTAGCACAGCATGATCATTTACGGAGTGAATATCTA 1140
Db 1103 GATCTTTCCAGGGTTATCTACTAGCACAGCATGATCATTTACGGAGTGAATATCTA 1162
QY 1141 ATCAACATCATCTCAGTCTCTTTGCCCATACTGAAATTCATTTCCACTTTTGTGCCCA 1200
Db 1163 ATCAACATCATCTCAGTCTCTTTGCCCATACTGAAATTCATTTCCACTTTTGTGCCCA 1222
QY 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAAC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAAC 1282
QY 1261 TGGAGAAATTCATGTTACATGCTATGCGAATTTAATTAATATATTTGTTTCCAGT 1320
Db 1283 TGGAGAAATTCATGTTACATGCTATGCGAATTTAATTAATATATTTGTTTCCAGT 1342
QY 1321 GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1380
Db 1343 GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1402
QY 1381 TAAATGCTTAGCTTGACTGAGGCTGTATACAGCAGGCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAATGCTTAGCTTGACTGAGGCTGTATACAGCAGGCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTCATCACCATCAACCTCCCATNYSACCTAAACAAATCTAACTTGAAT 1500
Db 1463 CTTATCTGTCATCACCATCAACCTCCCATACCCTCAACAAATCTAACTTGAAT 1522
QY 1501 CTTGAAACATGTCAGGACATATCTTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1560
Db 1523 CTTGAAACATGTCAGGACATATCTTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1582
QY 1561 AANTCTAGAAATGATTAAGTCTTGAATGATGATCTTCTACTCTGCAAGAGG 1620
Db 1583 AANTCTAGAAATGATTAAGTCTTGAATGATGATCTTCTACTCTGCAAGAGG 1642
QY 1621 ACACATATCAGATTCATCATCATGAGACGCAATATCTAAAGTGAATTTGATTATA 1680
Db 1643 ACACATATCAGATTCATCATCATGAGACGCAATATCTAAAGTGAATTTGATTATA 1702
QY 1681 AGAGTTTATGATTAATATATGAAATGCAAGAKCCACAGAGGGAATGTTTATGGGCACGTT 1740
Db 1703 AGAGTTTATGATTAATATATGAAATGCAAGAGCCACAGAGGGAATGTTTATGGGCACGTT 1762
QY 1741 TGTAAAGCTGGGATGTGAAGMAAAGCCAGGGAACTCATAGTATCTTATATATATACT 1800

Db 1763 TGTAAAGCTGGGATGTGAAGCAAAAGGCAGGAAACCTCATAGTATCTTATATAATATACTT 1822
QY 1801 CATTTCTCTATCTCATCAATATCCAAAGCTTTTTCAGAGATTCATGCAGTGCAAA 1860
Db 1823 CATTTCTCTATCTCATCAATATCCAAAGCTTTTTCAGAGATTCATGCAGTGCAAA 1882
QY 1861 TCCCAAAAGGTAAACCTTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCA 1920
Db 1883 TCCCAAAAGGTAAACCTTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTCTGCTTGTAGTTAATTTGAAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTCTGCTTGTAGTTAATTTGAAAGAAATA 2002
QY 1981 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2037
Db 2003 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2059

RESULT 10
US-10-144-678A-690
; Sequence 690, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hurai, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-690

Query Match 99.8%; Score 2032; DB 16; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 AGAGCTGGCATCGAAAAACAGAGGGAGATTTGTGTGGCTGCGAGCGGAGGACACAG 60
Db 23 AGAAGCTGGCATCGAAAAACAGAGGGAGATTTGTGTGGCTGCGAGCGGAGGACACAG 82
QY 61 GAAATCTGCACTGTGGGAAGGACCTGATGATACAGAGGAATTTACACACATATATCTTAG 120
Db 83 GAAGATCTGCACTGTGGGAAGGACCTGATGATACAGAGGAATTTACACACATATATCTTAG 142

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QY 121 TGTTTCAATGAAACCAAGATAAATAAGTGAAGAGCTAGTCCCTGTGAGTCTCTCAGT 180
Db 143 TGTTTCAATGAACCAAGATAAATAAGTGAAGAGCTAGTCCCTGTGAGTCTCTCAGT 202
QY 181 GACACAGGCTGATCACCATCGACCGCACTTTCTGAGTACTCAGTGCAGCAAGAAGA 240
Db 203 GACACAGGCTGATCACCATCGACCGCACTTTCTGAGTACTCAGTGCAGCAAGAAGA 262
QY 241 CTACAGACATCTCAATGGGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 300
Db 263 CTACAGACATCTCAATGGGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 322
QY 301 GGCACACATCTCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
Db 323 GGCACACATCTCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382
QY 361 TAATGTCTAAGTAGTACATGTTTTTGGACATTTCCAGCCCTTTTAAATATCCACACACA 420
Db 383 TAATGTCTAAGTAGTACATGTTTTTGGACATTTCCAGCCCTTTTAAATATCCACACACA 442
QY 421 CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG 480
Db 443 CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG 502
QY 481 TCATCGATGAGCTCGCCCTGTGCTGCTGGTCCCGCTTGTGAGGAAGGACATTAGAAAATG 540
Db 503 TCATCGATGAGCTCGCCCTGTGCTGCTGGTCCCGCTTGTGAGGAAGGACATTAGAAAATG 562
QY 541 AATTGATGTGTTCTTTAAAGGATGGGAGGAAACAGATCCTGTTGTGATATTTATTTG 600
Db 563 AATTGATGTGTTCTTTAAAGGATGGGAGGAAACAGATCCTGTTGTGATATTTATTTG 622
QY 601 AACGGGATTACAGATTTGAAATGAACTCACAAGTGCAGATTACCAATGAGAGGAAACAA 660
Db 623 AACGGGATTACAGATTTGAAATGAACTCACAAGTGCAGATTACCAATGAGAGGAAACAA 682
QY 661 GACGAGAAATCTGTATGCTTCAAGACATGCAACAAATGGAATACTGTGATG 720
Db 683 GACGAGAAATCTGTATGCTTCAAGACATGCAACAAATGGAATACTGTGATG 742
QY 721 ACATGAGGAGCAACAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATCTGGCC 780
Db 743 ACATGAGGAGCAACAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATCTGGCC 802
QY 781 CTGCTGCCTAAACTGTGCGTTTCAATACCAAAATCAATTTCTAAACCTCAAAACAA 840
Db 803 CTGCTGCCTAAACTGTGCGTTTCAATACCAAAATCAATTTCTAAACCTCAAAACAA 862
QY 841 AGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCCATATATCCA 900
Db 863 AGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCCATATATCCA 922
QY 901 GCCACACTCATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960
Db 923 GCCACACTCATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
QY 961 AATAACATTAATCTATTTGTTTCAAGACCTTCTGTTGCTGCTGCTAAATGATGACTGACT 1020
Db 983 AATAACATTAATCTATTTGTTTCAAGACCTTCTGTTGCTGCTGCTAAATGATGACTGACT 1042
QY 1021 GTTTTTCTTAAGAGTGTCTGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
Db 1043 GTTTTTCTTAAGAGTGTCTGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
QY 1081 GATCTTCCAGGGTTACTTACTACACACAGCATGATCATTTACGGAGTGAATATCTA 1140
Db 1103 GATCTTCCAGGGTTACTTACTACACACAGCATGATCATTTACGGAGTGAATATCTA 1162
QY 1141 ATCAACATCATCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACTTTTGTGCCCA 1200
Db 1163 ATCAACATCATCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACTTTTGTGCCCA 1222
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QY 1201 TTCTCAAGACCTCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTAAACC 1282
QY 1261 TCGAAGAAATTCATGTTACATGCAGCTATGGGAATTTAATACATATTTGTTTCCAGT 1320
Db 1283 TCGAAGAAATTCATGTTACATGCAGCTATGGGAATTTAATACATATTTGTTTCCAGT 1342
QY 1321 GCAAGAGATGACTAAAGTCTTTATCCCTCCCTTTTGTGATTTTTTTCCAGTATAAAGT 1380
Db 1343 GCAAGAGATGACTAAAGTCTTTATCCCTCCCTTTTGTGATTTTTTTCCAGTATAAAGT 1402
QY 1381 TAAAATGCTTAGGCTTGTACTGAGGCTGTATACAGACAGGCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAAATGCTTAGGCTTGTACTGAGGCTGTATACAGACAGGCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTGCATCCACATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTGTAAAT 1500
Db 1463 CTTATCTGTGCATCCACATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTGTAAAT 1522
QY 1501 CCTTGAACATGTCAGGNCATACATTTCTCTCTGCTGAGAGGCTCTTCTCTGTCTCTT 1560
Db 1523 CCTTGAACATGTCAGGNCATACATTTCTCTCTGCTGAGAGGCTCTTCTCTGTCTCTT 1582
QY 1561 AANTCTAGAAATGATGTAAGTTTGAATGAATGATCTATCTTATCTATGCAAAAGAGG 1620
Db 1583 AANTCTAGAAATGATGTAAGTTTGAATGAATGATCTATCTTATCTATGCAAAAGAGG 1642
QY 1621 ACACATATGAGATTCATCATGACATGACAGCAAAATCTAAAGTGTAAATTTGATTATA 1680
Db 1643 ACACATATGAGATTCATCATGACATGACAGCAAAATCTAAAGTGTAAATTTGATTATA 1702
QY 1681 AGAGTTTGAATAAATATATGAAATCAAGAKCCACAGAGGGAATGTTTATGGGCGACGTT 1740
Db 1703 AGAGTTTGAATAAATATATGAAATCAAGAGCCACAGAGGGAATGTTTATGGGCGACGTT 1762
QY 1741 TGTAAAGCTGGGATGTGAAGAAAGCGAGGAAACCTCATAGTATCTTATATATATACTT 1800
Db 1763 TGTAAAGCTGGGATGTGAAGAAAGCGAGGAAACCTCATAGTATCTTATATATATACTT 1822
QY 1801 CATTTCTCTATCTCATCAATATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1860
Db 1823 CATTTCTCTATCTCATCAATATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1882
QY 1861 TCCCCAAAGGTAAACCTTTTATCCATTTTATGTTGAGTGGCTTTTAGAAATTTTGGCAATCA 1920
Db 1883 TCCCCAAAGGTAAACCTTTTATCCATTTTATGTTGAGTGGCTTTTAGAAATTTTGGCAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACTTTTGAATGATGTTGTTGCTTGTAGTAAATTTGAAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTTGAATGATGTTGTTGCTTGTAGTAAATTTGAAAGAAATA 2002
QY 1981 GGGCACTCTGTGAGCCACTTTAGGTTTCACTCTCGGCAATAAAGAAATTTTCAAAAGA 2037
Db 2003 GGGCACTCTGTGAGCCACTTTAGGTTTCACTCTCGGCAATAAAGAAATTTTCAAAAGA 2059

RESULT 11
US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq For Windows Version 3.0
; SEQ ID NO 690
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		Query Match		99.8%; Score 2032; DB 16; Length 3923;	
		Best Local Similarity 99.6%; Pred. No. 0;			
		Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;			
QY	1	AGAAAGCTGCGATCAGAAAAACAGAGGGAGATTGTGCTGCGCTGCAGCCGAGGGAGACACAG	60		
DB	23	AGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGCTGCGCTGCAGCCGAGGGAGACACAG	82		
QY	61	GAAGATCTGCATGCTGGGAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAG	120		
DB	83	GAAGATCTGCATGCTGGGAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAG	142		
QY	121	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCGCTGTGAGTCTCTCAGT	180		
DB	143	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCGCTGTGAGTCTCTCAGT	202		
QY	181	GACACAGGCTGGATCACCATCAGCGGCACCTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240		
DB	203	GACACAGGCTGGATCACCATCAGCGGCACCTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262		
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	300		
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	322		
QY	301	GGCCACACATCTGCTGAATGGAGATAAATTAACATCAGTACAGCAAGCAAGATGCAATA	360		
DB	323	GGCCACACATCTGCTGAATGGAGATAAATTAACATCAGTACAGCAAGCAAGATGCAATA	382		
QY	361	TAATGCTAAGTAGTACATGTTTTTGGCACATTTCCAGCCCTTTAAATATCCACACACA	420		
DB	383	TAATGCTAAGTAGTACATGTTTTTGGCACATTTCCAGCCCTTTAAATATCCACACACA	442		
QY	421	CAGGAAGCAAAAGGAAGCACAGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGG	480		
DB	443	CAGGAAGCAAAAGGAAGCACAGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGG	502		
QY	481	TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540		
DB	503	TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	562		
QY	541	AAATTGATGTCTTCTTAAAGGATGGGAGGAGATAACAGATCTCTGTTGGATATTTATTG	600		
DB	563	AAATTGATGTCTTCTTAAAGGATGGGAGGAGATAACAGATCTCTGTTGGATATTTATTG	622		
QY	601	AACGGGATTACAGATTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACA	660		
DB	623	AACGGGATTACAGATTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACA	682		
QY	661	GACGAGAAATCTTGATGCTTCAAGAGATGCAACAAACAAATGGAATGATGATG	720		
DB	683	GACGAGAAATCTTGATGCTTCAAGAGATGCAACAAACAAATGGAATGATGATG	742		
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGAGAGGCTCAGGATTTCTGGCC	780		
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGAGAGGCTCAGGATTTCTGGCC	802		
QY	781	CTGCTGCTTAAATCTGTGCTTCAATACCAAAATCAATTTCAATTTCTAACCCCTCAAAACA	840		
DB	803	CTGCTGCTTAAATCTGTGCTTCAATACCAAAATCAATTTCAATTTCTAACCCCTCAAAACA	862		
QY	841	AGCTGTGTAATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCCCATATATCCA	900		
DB	863	AGCTGTGTAATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCCCATATATCCA	922		
QY	901	GCCACACTCATTTTAAATTTAGTTTCCAGATCTGTAAGTCTGACCTTTCTACACTGTAG	960		
DB	923	GCCACACTCATTTTAAATTTAGTTTCCAGATCTGTAAGTCTGACCTTTCTACACTGTAG	982		

QY	961	AATAACATTACTCAATTTTGTTCAAAGACCCCTTCGTTGCTGCCCTAAATATATAGTAGTACT	1020
DB	983	AATAACATTACTCAATTTTGTTCAAAGACCCCTTCGTTGCTGCCCTAAATATATAGTAGTACT	1042
QY	1021	GTTCCTTAAGGAGTGTCTGGCCAGGGATCTGTGAAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTCCTTAAGGAGTGTCTGGCCAGGGATCTGTGAAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCAGGGTTATATCTTACTAGCACACAGCATGATCATTCGGAGTGAATTTATCTA	1140
DB	1103	GATCTTTCAGGGTTATATCTTACTAGCACACAGCATGATCATTCGGAGTGAATTTATCTA	1162
QY	1141	ATCAACATCATCTCCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA	1200
DB	1163	ATCAACATCATCTCCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCTATTCCTCATATATACAGGATTAACCTTTTTTTTAAACC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCTATTCCTCATATATACAGGATTAACCTTTTTTTTAAACC	1282
QY	1261	TGGAAGAATTCAAATGTTACATGCAGCTATGGGAATTTAAATTACATATTTTGTTCCTCAGT	1320
DB	1283	TGGAAGAATTCAAATGTTACATGCAGCTATGGGAATTTAAATTACATATTTTGTTCCTCAGT	1342
QY	1321	GCAAAGATGACTAAAGTCTCTTATCCCTCCCTTTGTTTGAATTTTTCCTCAGATATAAAGT	1380
DB	1343	GCAAAGATGACTAAAGTCTCTTATCCCTCCCTTTGTTTGAATTTTTCCTCAGATATAAAGT	1402
QY	1381	TAAATGCTTACGCTTACTGAGGCTGTATACAGCAGGCTCTCCCATCTCCCTCCAGC	1440
DB	1403	TAAATGCTTACGCTTACTGAGGCTGTATACAGCAGGCTCTCCCATCTCCCTCCAGC	1462
QY	1441	CTTATCTGCTATCACCATCAACCCCTCCCATNYSACCTTAAACAAAATCTAACTTCTTAAT	1500
DB	1463	CTTATCTGCTATCACCATCAACCCCTCCCATNYSACCTTAAACAAAATCTAACTTCTTAAT	1522
QY	1501	CCTTGAAACATGTGAGGNCATACATTTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTT	1560
DB	1523	CCTTGAAACATGTGAGGNCATACATTTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTT	1582
QY	1561	AAATCTAGAATGATGTAAGTTTGAATAAGTGTGACTATCTTACTTCTCATGCAAGAGGG	1620
DB	1583	AAATCTAGAATGATGTAAGTTTGAATAAGTGTGACTATCTTACTTCTCATGCAAGAGGG	1642
QY	1621	ACACATATGAGATTTCATCATCACATGAGACAGCAAAATCTAAAAGTGTAAATTTGATTATA	1680
DB	1643	ACACATATGAGATTTCATCATCACATGAGACAGCAAAATCTAAAAGTGTAAATTTGATTATA	1702
QY	1681	AGAGTTTATAGATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGGACGTT	1740
DB	1703	AGAGTTTATAGATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGGACGTT	1762
QY	1741	TGTAAGCTCGGATGTGAAGMAAGGAGGCAACCTCATAGTACTTCTTATATAATATATCTT	1800
DB	1763	TGTAAGCTCGGATGTGAAGMAAGGAGGCAACCTCATAGTACTTCTTATATAATATATCTT	1822
QY	1801	CATTTCTCTATCTCTATCACAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAAA	1860
DB	1823	CATTTCTCTATCTCTATCACAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAAA	1882
QY	1861	TCCCAAAAGGTAAACCTTTATCCATTTTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA	1920
DB	1883	TCCCAAAAGGTAAACCTTTATCCATTTTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA	1942
QY	1921	TACTGGTCACTTATCTCAACTTTTGAGATGTCTTGTCTCTCTGTTAGTAAATGCAAGAAATA	1980
DB	1943	TACTGGTCACTTATCTCAACTTTTGAGATGTCTTGTCTCTCTGTTAGTAAATGCAAGAAATA	2002
QY	1981	GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTTCAAAAGA	2037
DB	2003	GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTTCAAAAGA	2059

RESULT 12

US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aljun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143

; NUMBER OF SEQ ID NOS: 934

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 468

; LENGTH: 3112

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-759-143-468

Query Match 85.3%; Score 1737.8; DB 9; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

QY 252 TCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC 311
DB 1302 TCNACTAATAGTGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATC 1361

QY 312 TGCCTGAAATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG 371
DB 1362 TGCCTGAAATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG 1421

QY 372 TAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGCAAGCACA 431
DB 1422 TAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGCAAGCACA 1481

QY 432 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTCAATCGATGAG 491
DB 1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTCAATCGATGAG 1541

QY 492 CTTGCGCCTGTGCTGGTCCCGTCTGTGAGGGAAGCATTAGAAAATGAATGTGTGT 551
DB 1542 CTTGCGCCTGTGCTGGTCCCGTCTGTGAGGGAAGCATTAGAAAATGAATGTGTGTGT 1601

QY 552 TCCTTAAAGGATGGCAGGAAACAGATCCTGTTGTGGATATTATTATGAAACGGGATTAC 611
DB 1602 TCCTTAAAGGATGGCAGGAAACAGATCCTGTTGTGGATATTATTATGAAACGGGATTAC 1661

QY 612 AGATTTGAAATGAAGTACAAAAGTGAGCATTTACCAATGAGGAAACAGACGAGAAAT 671
DB 1662 AGATTTGAAATGAAGTACAAAAGTGAGCATTTACCAATGAGGAAACAGACGAGAAAT 1721

QY 672 CTTGATGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAG 731
DB 1722 CTTGATGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAG 1781

QY 732 CCNAGCTGGGAGGAGATACCAACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTAA 791
DB 791

DB 1782 CCAAGCTGGGAGGAGATTAACCCGGGGCAGAGGGTTCAGGATTTGGCCCTGCTGCCTAA 1841
QY 792 ACTGTGCGTTTCATAACCAAATCATTTTATATTTTAAACCTCAAAACAAAGCTGTTGTAA 851
DB 1842 ACTGTGCGTTTCATAACCAAATCATTTTATATTTTAAACCTCAAAACAAAGCTGTTGTAA 1901
QY 852 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGGCACACTCAT 911
DB 1902 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGGCACACTCAT 1961
QY 912 TTTTAAATATTTAGTTCCACAGATCTGTACTGTGACCTTTTACACCTGTACAAATAACATTAC 971
DB 1962 TTTTAAATATTTAGTTCCACAGATCTGTACTGTGACCTTTTACACCTGTACAAATAACATTAC 2021
QY 972 TCATTTTGTTCAAAGACCTTCTGCTGTGCTGCTCTAATATGTAGTCACTGTTTTCCTAA 1031
DB 2022 TCATTTTGTTCAAAGACCTTCTGCTGTGCTGCTCTAATATGTAGTCACTGTTTTCCTAA 2081
QY 1032 GGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCAG 1091
DB 2082 GGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCAG 2141
QY 1092 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCAT 1151
DB 2142 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCAT 2201
QY 1152 CCTCAGTGTCTTTGGCCATCTACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC 1211
DB 2202 CCTCAGTGTCTTTGGCCATCTACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC 2261
QY 1212 TCAAAATGTCAATTCATTAATCAAGATTAACCTTTTTTTTTTAACTGGAAGATTC 1271
DB 2262 TCAAAATGTCAATTCATTAATCAAGATTAACCTTTTTTTTTTAACTGGAAGATTC 2321
QY 1272 AATGTTACATGAGCTATGGGAAATTAATACATATTTTGTGTTTCCAGTGCAAGATGAC 1331
DB 2322 AATGTTACATGAGCTATGGGAAATTAATACATATTTTGTGTTTCCAGTGCAAGATGAC 2381
QY 1332 TAAAGTCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAGTAAATATGCTTTA 1391
DB 2382 TAAAGTCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAGTAAATATGCTTTA 2441
QY 1392 GCCTGTACTGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1450
DB 2442 GCCTGTACTGAGGCTGTATACAGC-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
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DB 2502 ATCACCATCAACCCCTCCCATG-CACCTAAACAAATCTTAACCTGTAATTCCTTGAACAT 2560
QY 1511 GTCAGGNCATACATTTTCTCTGCTGAGAGGCTCTTCTTGTCTCTTAANTCTAGAA 1570
DB 2561 GTCAGG-CATACATTTTCTCTGCTGAGAGGCTCTTCTTGTCTCTTAANTCTAGAA 2619
QY 1571 TGATGTAAGTTTGAATTAAGTTGACTATCTTACTTTCATGAAAGAGGAGCACATATGA 1630
DB 2620 TGATGTAAGTTTGAATTAAGTTGACTATCTTACTTTCATGAAAGAGGAGCACATATGA 2679
QY 1631 GATTCATCATCATGAGACAGCAATACTAAAGTGAATTTGATTTAAGAGTTTGA 1690
DB 2680 GATTCATCATCATGAGACAGCAATACTAAAGTGAATTTGATTTAAGAGTTTGA 2739
QY 1691 TAAATATATGAATGCAAGAKCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTG 1750
DB 2740 TAAATATATGAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTG 2799
QY 1751 GGATGTGAAGMAAGGCGAGGGAACCTCATAGTATCTTATATTAATATCTTCAATTTCTCTA 1810
DB 2800 GGATGTGAAGMAAGGCGAGGGAACCTCATAGTATCTTATATTAATATCTTCAATTTCTCTA 2859
QY 1811 TCTCTATCATCATATCCCAACAGCTTTTACAGAAATTCATGCAAGTCAATCCCAAAGG 1870
DB 2860 TCTCTATCATCATATCCCAACAGCTTTTACAGAAATTCATGCAAGTCAATCCCAAAGG 2919

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QY 1871 TAACCTTTATCCATTTTCATGGTGCAGTGCCTTTAGAAATTTTGGCAAAATCATACTGGTCAC 1930
Db 2920 TAACCTTTATCCATTTTCATGGTGCAGTGCCTTTAGAAATTTTGGCAAAATCATACTGGTCAC 2979
QY 1931 TTATCTCAACTTTAGATGTTGTTGCTTTCCTTTAGTAAATGAAAGAAATAGGGCACTCTT 1990
Db 2980 TTATCTCAACTTTAGATGTTGTTGCTTTCCTTTAGTAAATGAAAGAAATAGGGCACTCTT 3039
QY 1991 GTGAGCCACTTTAGGGTTCACCTCCCTGGCAATTAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTCACCTCCCTGGCAATTAAGAAATTTACAAAGA 3086

RESULT 13
US-09-780-669-468
; Sequence 468, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqul
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-468

Query Match 85.3%; Score 1737.8; DB 9; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

QY 252 TCAATGGCAGGGGTGAGAAATAGAAAGGCTCTGACATTTTACCATCTGAGGCCACACATC 311
Db 1302 TCAACTAAATAGTGGAAATAGAAAGGCTGCTGACTTACCATCTGAGGCCACACATC 1361
QY 312 TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTAAG 371
Db 1362 TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTAAG 1421
QY 372 TAGTCACATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGCAAGACACA 431
Db 1422 TAGTCACATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGCAAGACACA 1481
QY 432 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTCAATCGATGAG 491
Db 1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTCAATCGATGAG 1541
QY 492 CCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGACATTAAGAAATGAATGATGTGT 551
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Db 1542 CCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAAATGAATGTATGTGT 1601
QY 552 TCCTTAAAGGATGGCAGAGAAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTAAC 611
Db 1602 TCCTTAAAGGATGGCAGAGAAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTAAC 1661
QY 612 AGATTGTAAATGAAGTCACAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAAT 671
Db 1662 AGATTGTAAATGAAGTCACAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAAT 1721
QY 672 CTTGATGGCTTTCACAAGACATGCAACAAACAAATGGAATACTGTGATGAATGAGGAGGAG 731
Db 1722 CTTGATGGCTTTCACAAGACATGCAACAAACAAATGGAATACTGTGATGAATGAGGAGGAG 1781
QY 732 CCAAGCTGGGAGGAGAGATAACACGGGGCAGAGGGTCAGGATTCCTGGCCCTGCTCCCTAA 791
Db 1782 CCAAGCTGGGAGGAGAGATAACACGGGGCAGAGGGTCAGGATTCCTGGCCCTGCTCCCTAA 1841
QY 792 ACTGTGCGTTCATTAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTGTAA 851
Db 1842 ACTGTGCGTTCATTAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTGTAA 1901
QY 852 TATCTGATCTCTACGGTTCTCTTCTGGGCCCAACATTTCTCCATATATATCCAGGCACACTCAT 911
Db 1902 TATCTGATCTCTACGGTTCTCTTCTGGGCCCAACATTTCTCCATATATATCCAGGCACACTCAT 1961
QY 912 TTTTAAATATTTAGTTCCTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAATTAAC 971
Db 1962 TTTTAAATATTTAGTTCCTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAATTAAC 2021
QY 972 TCATTTTGTTCAAAAGACCCCTTCGTGTTGCTGCTGCTCAATATGTAGCTGACTGTTCCTTAA 1031
Db 2022 TCATTTTGTTCAAAAGACCCCTTCGTGTTGCTGCTGCTCAATATGTAGCTGACTGTTCCTTAA 2081
QY 1032 GGAGTGTTCGGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTTCAG 1091
Db 2082 GGAGTGTTCGGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTTCAG 2141
QY 1092 GGTATACCTTACTAGCACACAGCATGATCAATACGGAGTGAATATCTAATCAACATCAT 1151
Db 2142 GGTATACCTTACTAGCACACAGCATGATCAATACGGAGTGAATATCTAATCAACATCAT 2201
QY 1152 CCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCAAGACC 1211
Db 2202 CCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCAAGACC 2261
QY 1212 TCAAAAATGTCATTCGATTAATATACAGGATTAACCTTTTAACTTTTAACTCGAAGAAATTC 1271
Db 2262 TCAAAAATGTCATTCGATTAATATACAGGATTAACCTTTTAACTTTTAACTCGAAGAAATTC 2321
QY 1272 AATGTTACATCAGCTATGGGAATTTAATTAACATATTTTGTTCAGTGCAAAAGATGAC 1331
Db 2322 AATGTTACATCAGCTATGGGAATTTAATTAACATATTTTGTTCAGTGCAAAAGATGAC 2381
QY 1332 TAAGTCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATGCTTA 1391
Db 2382 TAAGTCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATGCTTA 2441
QY 1392 GCCTTGTAAGTGGGTGTATACAG-CACAGCCTCTCCCACTCCCTCCAGCCTTATCTGTC 1450
Db 2442 GCCTTGTAAGTGGGTGTATACAGCAGCAGCCTCTCCCACTCCCTCCAGCCTTATCTGTC 2501
QY 1451 ATCAACCATCAACCCCTCCCATNYSACCTTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 1510
Db 2502 ATCAACCATCAACCCCTCCCATG-CACCTTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 2560
QY 1511 GTCAGGNCATACATTTTCTTCTGCGCTGAGAAGCTCTTCTGCTCTTAANTCTAGAA 1570
Db 2561 GTCAGG-CATACATTAATTTCTTCTGCGCTGAGAAGCTCTTCTGCTCTTAAATCTAGAA 2619
QY 1571 TGATGTAAAGTTTTGAATAGTTGACTATCTTACTGTCGAAAGGAGGACATATGA 1630
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Db 2620 TGATGTAAAGTTTGTGAATAGTTGACTATCTTACTTCAATGCAAGGAGGACACATATGA 2679
Qy 1631 GATTTCATCATCATGAGACAGCAAAATCTATAAAGTGTAAATTCATTAAGAAGTTTAGA 1690
Db 2680 GATTTCATCATCATGAGACAGCAAAATCTATAAAGTGTAAATTCATTAAGAAGTTTAGA 2739
Qy 1691 TAAATATATGAATGCAAGAGGACAGAGAGGGAATGTTTATGGGGCAGCTTTGTAAAGCCTG 1750
Db 2740 TAAATATATGAATGCAAGAGGACAGAGAGGGAATGTTTATGGGGCAGCTTTGTAAAGCCTG 2799
Qy 1751 GGATGTGAAGMAAAGGAGGAGGAACTCATAGTATCTTATATAATATATCTTCAATTCCTCTA 1810
Db 2800 GGATGTGAAGMAAAGGAGGAGGAACTCATAGTATCTTATATAATATATCTTCAATTCCTCTA 2859
Qy 1811 TCTCTATCAATATCAACAAGCTTTTCAAGAATTCATGCAAGTCAAAATCCCAAGG 1870
Db 2860 TCTCTATCAATATCAACAAGCTTTTCAAGAATTCATGCAAGTCAAAATCCCAAGG 2919
Qy 1871 TAACCTTTATCCATTTTCATGGTGGAGTGGCTTTAGAAATTTGGCAATCATACTGGTCTAC 1930
Db 2920 TAACCTTTATCCATTTTCATGGTGGAGTGGCTTTAGAAATTTGGCAATCATACTGGTCTAC 2979
Qy 1931 TTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTT 1990
Db 2980 TTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTT 3039
Qy 1991 GTGAGCCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 3086

RESULT 14
US-09-822-827-468
; Sequence 468, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822, 827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-468

Query Match 85.3%; Score 1737.8; DB 9; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

Qy 252 TCAATGGCAGGGGTGAGAAATAGAAAGCGTGTGACTTTACATCTGAGGCCACACATC 311
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Qy 312 TCGTGAATGGAGATAATTAACATCACTAGAACAGCAAGATGACAAATATATGCTTAAG 371
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Qy 372 TAGTGACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACA 431
Db 1422 TAGTGACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGAGAACACA 1481
Qy 432 AAAGGAAGCACAGAGATCCCTGGGAAATGCCCGGCCCAATCTTTGGGTCAATGATGAG 491
Db 1482 AAAGGAAGCACAGAGATCCCTGGGAAATGCCCGGCCCAATCTTTGGGTCAATGATGAG 1541
Qy 492 CCTCGCCCTGTCGCTGCTCCCTGTTGTAGGGAGGACATTAAGAAATGAATGATGCT 551
Db 1542 CCTCGCCCTGTCGCTGCTCCCTGTTGTAGGGAGGACATTAAGAAATGAATGATGCT 1601

Qy 552 TCCTTAAAGGATGGGCAGGAAAAACAGATCCTCTTGTGGATATTTATTTGAAACGGGATTAC 611
Db 1602 TCCTTAAAGGATGGGCAGGAAAAACAGATCCTCTTGTGGATATTTATTTTGAACGGGATTAC 1661
Qy 612 AGATTTGAATCAAGTCAAAAGTGGCAATACCAATGAGAGGAAACAGACGAGAAAT 671
Db 1662 AGATTTGAATCAAGTCAAAAGTGGCAATACCAATGAGAGGAAACAGACGAGAAAT 1721
Qy 672 CTTTGTGGCTTTCACAAGACATCAACAAACAAATGGAATACTGTGATGACATGAGCGAG 731
Db 1722 CTTTGTGGCTTTCACAAGACATCAACAAACAAATGGAATACTGTGATGACATGAGCGAG 1781
Qy 732 CCAAGCTGGGAGGAGATAACCAAGGGGAGAGGTCAGGATCTGGCCCTCTGCTGCTTAA 791
Db 1782 CCAAGCTGGGAGGAGATAACCAAGGGGAGAGGTCAGGATCTGGCCCTCTGCTGCTTAA 1841
Qy 792 ACTGTGCGTTCATACCAACCAATCATTTCTATTTCTTAAACCTCAAAACAAAGCTGTTGTA 851
Db 1842 ACTGTGCGTTCATACCAACCAATCATTTCTATTTCTTAAACCTCAAAACAAAGCTGTTGTA 1901
Qy 852 TATCTGATCTCTACCGTTCTCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTCAT 911
Db 1902 TATCTGATCTCTACCGTTCTCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTCAT 1961
Qy 912 TTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGAATAACATTAAC 971
Db 1962 TTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGAATAACATTAAC 2021
Qy 972 TCATTTTGTTCAAAGACCCCTTCGTGTGCTGCTAAATATGTAGCTGACTGTTTTTCTCTAA 1031
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Qy 1032 GGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1091
Db 2082 GGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
Qy 1092 GGTATATCTTACTAGCACACAGCATGATCATTTACCGAGTGAATATCTAATCAACATCAT 1151
Db 2142 GGTATATCTTACTAGCACACAGCATGATCATTTACCGAGTGAATATCTAATCAACATCAT 2201
Qy 1152 CCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATCTCTCAGACC 1211
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Qy 1212 TCAAAATGTCAATTCATTAATATCAAGATTAACCTTTTTTAACTGGAAGAAATTC 1271
Db 2262 TCAAAATGTCAATTCATTAATATCAAGATTAACCTTTTTTAACTGGAAGAAATTC 2321
Qy 1272 AATGTATCATGCAGCTATGGGAATTAATTAATATTTTGTGTTTCCAGTGAAGATGAC 1331
Db 2322 AATGTATCATGCAGCTATGGGAATTAATTAATATTTTGTGTTTCCAGTGAAGATGAC 2381
Qy 1332 TAAGTCTTTATCTCCCTCCCTTTGTTGATTTTTTCCAGTGAAGATTAAGTAAATGCTTTA 1391
Db 2382 TAAGTCTTTATCTCCCTCCCTTTGTTGATTTTTTCCAGTGAAGATTAAGTAAATGCTTTA 2441
Qy 1392 GCCTGTACTGAGGCTGTATACAG-CACAGCTCTCCCATCCCTCCAGCCCTTATCTGTC 1450
Db 2442 GCCTGTACTGAGGCTGTATACAGCCACAGCTCTCCCATCCCTCCAGCCCTTATCTGTC 2501
Qy 1451 ATCACCATCAACCCCTCCCATNYSACCTAAACAAATCTAATCTGTAATTCCTTGAACAT 1510
Db 2502 ATCACCATCAACCCCTCCCATG-CACCTAAACAAATCTAATCTGTAATTCCTTGAACAT 2560
Qy 1511 GTCAGGNCATACATTTTCTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAA 1570
Db 2561 GTCAGG-CATACATTTTCTCTGCTGAGAGCTCTTCTTGTCTCTTAAATCTAGAA 2619
Qy 1571 TGATGTAAAGTTTGAATAAGTTGACTACTTTACTTTCATGCAAGAGGACACATATGA 1630
Db 2620 TGATGTAAAGTTTGAATAAGTTGACTACTTTACTTTCATGCAAGAGGACACATATGA 2679

	Qy	1631	GATTTCATCATCAGATGAGACAGCAAAATACATAAAGTGTAATTTGAATATTAAGAGCTTTAGA	1690
	Db	2680	GATTTCATCATCAGATGAGACAGCAAAATACATAAAGTGTAATTTGAATATTAAGAGCTTTAGA	2739
	Qy	1691	TAAATATATGAAATGCAAGAKCCACAGAGGGAAATGTTTTATGGGCACGTTTGTAAAGCCTG	1750
	Db	2740	TAAATATATGAAATGCAAGAGCCACAGAGGAATGTTTTATGGGCACGTTTGTAAAGCCTG	2799
	Qy	1751	GGATGTGAAGMAAGCGCAGGGAACCTCATAGTATCTTATATAATATATACTTCATTTCTCTTA	1810
	Db	2800	GGATGTGAAGCAAAGGCAGGGAACCTCATAGTATCTTATATAATATATACTTCATTTCTCTTA	2859
	Qy	1811	TCTCTATACAATATCCAACAAAGCTTTTTCACAGAAATTCATGCGAGTGCAAAATCCCCAAAAG	1870
	Db	2860	TCTCTATACAATATCCAACAAAGCTTTTTCACAGAAATTCATGCGAGTGCAAAATCCCCAAAAG	2919
	Qy	1871	TAACTTTATCCATTTTCATGCGAGTGGCTTTTAGAATTTTGGCAAAATCATACGTGTCAC	1930
	Db	2920	TAACTTTATCCATTTTCATGCGAGTGGCTTTTAGAATTTTGGCAAAATCATACGTGTCAC	2979
	Qy	1931	TTATCTCAAACCTTTGAGATGTGTTTGTCTCTGTAGCTTAATTTGAAAGAAATAGGGCACCTCTT	1990
	Db	2980	TTATCTCAAACCTTTGAGATGTGTTTGTCTCTGTAGCTTAATTTGAAAGAAATAGGGCACCTCTT	3039
	Qy	1991	GTGAGCCACTTTAGGGTTTCACTCTCTGCCAATAAAGAAATTTACAAGA	2037
	Db	3040	GTGAGCCACTTTAGGGTTTCACTCTCTGCCAATAAAGAAATTTACAAGA	3086

RESULT 15

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US-09-895-793-468
; Sequence 468, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895.793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-468

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Qy	252	TCAATGCGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATC	311
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Qy	312	TGCTGAAATGGAGATAATTAACATCACTAGAAACCGCAGATGACAAATAAATGTCTTAAG	371
Db	1362	TGCTGAAATGGAGATAATTAACATCACTAGAAACCGCAGATGACAAATAAATGTCTTAAG	1421
Qy	372	TAGTGACATGTTTTTGCACATTTTCCAGCCCTTTAAATATCCACACACAGGAAGCACA	431
Db	1422	TAGTGACATGTTTTTGCACATTTTCCAGCCCTTTAAATATCCACACACAGGAAGCACA	1481
Qy	432	AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTCACTGATGAG	491
Db	1482	AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTCACTGATGAG	1541
Qy	492	CCTCGCCCTGTGCTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTATGTGT	551
Db	1542	CCTCGCCCTGTGCTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTATGTGT	1601
Qy	552	TCCTTAAAGATGGCGAGGAAAAACAGATCCTGTGTTGTGGATATTTATTTGAACCGGATTAC	611
Db	1502	TCCTTAAAGATGGCGAGGAAAAACAGATCCTGTGTTGTGGATATTTATTTGAACCGGATTAC	1661
Qy	612	AGATTTGAAATGAAGTCACAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAAAT	671
Db	1662	AGATTTGAAATGAAGTCACAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAAAT	1721
Qy	672	CTTGATGGCTTCAAGACATGCAACAAACAAAATGGAATACGTGTGATGACATGAGGCAG	731
Db	1722	CTTGATGGCTTCAAGACATGCAACAAACAAAATGGAATACGTGTGATGACATGAGGCAG	1781
Qy	732	CCAAGCTGGGGAGAGATAACACGGGGCAGAGGGTCAGGATTTCTGSCCCTGTCGCTAA	791
Db	1782	CCAAGCTGGGGAGAGATAACACGGGGCAGAGGGTCAGGATTTCTGSCCCTGTCGCTAA	1841
Qy	792	ACTGTGCGTTCAATACCAAAATCAATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTTGTAA	851
Db	1842	ACTGTGCGTTCAATACCAAAATCAATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTTGTAA	1901
Qy	852	TATCTGATCTACAGGTTCTCTTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAT	911
Db	1902	TATCTGATCTACAGGTTCTCTTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAT	1961
Qy	912	TTTTTAATATTTAGTTCGCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAC	971
Db	1962	TTTTTAATATTTAGTTCGCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAC	2021
Qy	972	TCATTTTGTTCAAAGACCCCTCGTGTGCTGCCATAATATAGTGTGACTGCTTTTTCCTAA	1031
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Qy	1032	GGAGTGTTCGGCCGAGGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCCAG	1091
Db	2082	GGAGTGTTCGGCCGAGGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCCAG	2141
Qy	1092	GGTTATACTTTACGACACAGCATGATCAATTACGGAGTGAATTTCTAATCAACATCAT	1151
Db	2142	GGTTATACTTTACGACACAGCATGATCAATTACGGAGTGAATTTCTAATCAACATCAT	2201
Qy	1152	CCTCAGTGTCTTTGGCCCATACTGAAATTCATTTTCCCATTTTGTGGCCATTTCTCAAGACC	1211
Db	2202	CCTCAGTGTCTTTGGCCCATACTGAAATTCATTTTCCCATTTTGTGGCCATTTCTCAAGACC	2261
Qy	1212	TCAAAATGTCATTTCCATTAATATACAGGATTAACCTTTTTTTTTTAACTTGGGAAGATTTC	1271
Db	2262	TCAAAATGTCATTTCCATTAATATACAGGATTAACCTTTTTTTTTTAACTTGGGAAGATTTC	2321
Qy	1272	AATGTTACATGCAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTCAAGATGAC	1331
Db	2322	AATGTTACATGCAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTCAAGATGAC	2381
Qy	1332	TAAGTCCCTTTATCCCTCCCTCTTGTGTTGATTTTTTTTTTCCAGTATAAAGTTTAAATGCTTA	1391

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Db 2502 ATCACCATCAACCCCTCCCATG-CACCTAAACAATCTAATCTGTAATTCCTTGAACAT 2560
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Qy 1991 GTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2037
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Search completed: August 23, 2005, 20:52:39
Job time : 2389.3 secs

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		Match	Length				
1	21.6	1.1	47	4	US-09-422-978-2855	Sequence 2855, Ap	
2	21.2	1.0	47	3	US-09-345-882-63	Sequence 63, Appl	
3	21	1.0	50	4	US-09-554-929-3	Sequence 3, Appl	
c	4	20.8	1.0	47	4	US-09-422-978-3012	Sequence 3012, Ap
	5	20.8	1.0	47	4	US-09-422-978-3116	Sequence 3116, Ap
6	20.4	1.0	47	4	US-09-422-978-1035	Sequence 1035, Ap	
c	7	20.4	1.0	47	1	US-08-379-926A-5	Sequence 5, Appl
	8	20.2	1.0	47	4	US-09-422-978-71	Sequence 71, Appl
9	20.2	1.0	48	2	US-08-853-217-24	Sequence 24, Appl	
10	20.2	1.0	48	3	US-09-636-735A-6	Sequence 6, Appl	
11	20	1.0	47	4	US-09-422-978-2561	Sequence 2561, Ap	
12	20	1.0	47	4	US-09-422-978-3053	Sequence 3053, Ap	
13	20	1.0	47	4	US-09-422-978-3692	Sequence 3692, Ap	
c	14	19.8	1.0	49	4	US-09-866-028-89	Sequence 89, Appl
	15	19.8	1.0	49	4	US-09-944-457-89	Sequence 89, Appl
16	19.8	1.0	50	4	US-09-554-929-42	Sequence 42, Appl	
17	19.6	1.0	47	3	US-09-345-882-42	Sequence 42, Appl	
18	19.6	1.0	47	4	US-09-422-978-523	Sequence 523, App	
19	19.6	1.0	47	4	US-09-422-978-790	Sequence 790, App	
20	19.6	1.0	47	4	US-09-422-978-884	Sequence 884, App	
21	19.6	1.0	47	4	US-09-422-978-880	Sequence 3643, Ap	
22	19.6	1.0	50	1	US-09-422-978-3643	Sequence 46, Appl	
23	19.6	1.0	50	2	US-08-088-658-46	Sequence 46, Appl	
c	24	19.6	1.0	50	4	US-08-471-907A-46	Sequence 18, Appl
	25	19.6	1.0	50	4	US-09-849-069-18	Sequence 46, Appl
c	26	19.6	1.0	50	4	US-09-442-054A-46	Sequence 46, Appl
	27	19.4	1.0	47	4	US-09-442-054A-77	Sequence 77, Appl
27	19.4	1.0	40	4	US-09-422-978-1976	Sequence 1976, Ap	


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; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 63
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 1...47
; OTHER INFORMATION: polymorphic fragment 5-140-120, variant version of SEQ ID42
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: base T ; C in SEQ ID42
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..23
; OTHER INFORMATION: potential microsequencing oligo 5-140-120.mis1
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 25..47
; OTHER INFORMATION: complement potential microsequencing oligo 5-140-120.mis2
US-09-345-882-63

Query Match
Best Local Similarity 1.0%; Score 21.2; DB 3; Length 47;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1229 TAATATCAGAGTAACATTTTTTTTTTAACCTGGAAGAATT 1270
DB 6 TCATAAATTACGACATACATTTTTTCTTAACCTAGATAAAT 47

RESULT 3
US-09-554-929-3
; Sequence 3, Application US/09554929
; Patent No. 6521427
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; TITLE OF INVENTION: A Method for the Complete Chemical
; FILE REFERENCE: P-EA 4749
; CURRENT APPLICATION NUMBER: US/09/554,929
; NUMBER OF SEQ ID NOS: 193
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-554-929-3

Query Match
Best Local Similarity 1.0%; Score 21; DB 4; Length 50;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1654 AAATACTAAAGTGAATTTGATTATAAGAGTTTAGATAAATATA 1698
DB 5 AAAAAATGAATTGAATAATGAATTATTAGAAATTCGCTTAATAATAA 49

RESULT 4
US-09-422-978-3012/c
; Sequence 3012, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
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; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3012
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-21666-96 : polymorphic base C or A
US-09-422-978-3012

Query Match
Best Local Similarity 1.0%; Score 20.8; DB 4; Length 47;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 417 CACAGGAAGCACAAAAAGGAGCAGACAGATCCCTGGGA 456
DB 41 CTCTAAGGAGCAGACAAAGKGGCACCAGAAATTTCTGGCA 2

RESULT 5
US-09-422-978-3116
; Sequence 3116, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3116
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-23696-164 : polymorphic base C or T
US-09-422-978-3116

Query Match
Best Local Similarity 1.0%; Score 20.8; DB 4; Length 47;
Matches 28; Conservative 2; Mismatches 15; Indels 0; Gaps 0;

QY 1452 TCACATCAACCCCTCCCATNYSACCTAAACAAATCTAATTGT 1496
DB 2 TCTCCATCCACCCCTCACTCTCTCCCTCAGCTAAAGCCCACTTT 46

RESULT 6
US-09-422-978-1035
; Sequence 1035, Application US/09422978
; Patent No. 6537751
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GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET 020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 1035
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-1944-379 : polymorphic base C or T
US-09-422-978-1035

Query Match 1.0%; Score 20.4; DB 4; Length 47;
Best Local Similarity 67.5%; Pred. No. 3.4e+04;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1177 ATTCAATCCCACTTTTGCCCATTTCTCAAGACCTCAAA 1216
DB 8 AGTCATTAAACACTTTTGTGTAATAATTAAATAGCACAAA 47

RESULT 7
US-08-379-926A-5/c
; Sequence 5, Application US/08379926A
; Patent No. 5783414
; GENERAL INFORMATION:
; APPLICANT: CARREZ, DIRK
; APPLICANT: ROOS, JOEL
; TITLE OF INVENTION: EXPRESSION SYSTEM, INTEGRATION
; TITLE OF INVENTION: VECTOR
; TITLE OF INVENTION: AND CELL TRANSFORMED BY THIS INTEGRATION VECTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &
; ADDRESSEE: NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,926A
; FILING DATE: 27-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09400102
; FILING DATE: 28-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09400586
; FILING DATE: 17-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09500014
; FILING DATE: 09-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F

REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 3987-13-0
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic oligonucleotide"
US-08-379-926A-5

Query Match 1.0%; Score 20.4; DB 1; Length 49;
Best Local Similarity 71.1%; Pred. No. 3.5e+04;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 709 AATACCTGTGATGACATGAGGAGCCCAAGCTGGGAGGA 746
DB 47 ATTGCTGAGGTGTAATGATGCGCGCGCTGGGATGA 10

RESULT 8
US-09-422-978-71
; Sequence 71, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET 020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 71
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-12668-329 : polymorphic base C or T
US-09-422-978-71

Query Match 1.0%; Score 20.2; DB 4; Length 47;
Best Local Similarity 65.1%; Pred. No. 3.9e+04;
Matches 28; Conservative 1; Mismatches 14; Indels 0; Gaps 0;

QY 1992 TCAGCCACCTTTAGGTTTCACCTCTCGCAATAAAGAAATTTACAA 2034
DB 3 TCACCTCAGCAGATTTTCAGTYCTGTGCAAGAAGAAATTCCAA 45

RESULT 9
US-08-853-217-24
; Sequence 24, Application US/08853217
; Patent No. 5942395
; GENERAL INFORMATION:
; APPLICANT: Fournier, Maurille J.
; APPLICANT: Samarsky, Dmitry A.
; APPLICANT: Feybeyre, Gerardo
; APPLICANT: Cedergren, Robert
; TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE

; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/853,217
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, Peter J.
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 07880/034001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 48 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-853-217-24

Query Match 1.0%; Score 20.2; DB 2; Length 48;
Best Local Similarity 68.3%; Pred. No. 3.9e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 651 GAGGAACACGACGAGAAATCTTGATGGCTTCACAGACA 691
DB 1 GTGGAACACCGCGCGATGATCTTGATGGGTACAAATGGCA 41

RESULT 10
US-09-636-735A-6
; Sequence 6, Application US/09636735A
; Patent No. 6416956

; GENERAL INFORMATION:
; APPLICANT: Berg, Patricia
; TITLE OF INVENTION: No. 6416956el Transcription Factor, BP1
; FILE REFERENCE: 179.37405X00
; CURRENT APPLICATION NUMBER: US/09/636,735A
; CURRENT FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(48)
; OTHER INFORMATION: synthesized oligonucleotide
US-09-636-735A-6

Query Match 1.0%; Score 20.2; DB 3; Length 48;
Best Local Similarity 68.3%; Pred. No. 3.9e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 579 TCCCTGTGGGATATTATTGGAACGGGATTACAGATTGA 619

DB 2 TCTTTTAATGGATATTATTTCATATATAATAAAAAATTAGA 42

RESULT 11

US-09-422-978-2561/c
; Sequence 2561, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 2561
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-11824-90 : polymorphic base T or A
US-09-422-978-2561

Query Match 1.0%; Score 20; DB 4; Length 47;
Best Local Similarity 63.0%; Pred. No. 4.5e+04;
Matches 29; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

QY 892 ATATATCCAGCACACTCATTTTAAATATTAGTTCCAGATCTGT 937
DB 47 AAACATACAGTTAAGCTTTTTTAAATAATTTACTCTGCAGACCTCT 2

RESULT 12

US-09-422-978-3053
; Sequence 3053, Application US/09422978
; Patent No. 6537751

; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3053
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-21893-388 : polymorphic base G or A
US-09-422-978-3053

Query Match 1.0%; Score 20; DB 4; Length 47;
Best Local Similarity 76.7%; Pred. No. 4.5e+04;

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; SEQ ID NO 89
; LENGTH: 49
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-09-866-028-89

Query Match      1.0%; Score 19.8; DB 4; Length 49;
Best Local Similarity 63.8%; Pred. No. 5.3e+04;
Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps

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Db       48  TCTTTTGGAGCAATCTGACTAGCAGCAGCCTTAGTGTCAGGAAG 2

RESULT 15
US-09-944-457-89/c
; Sequence 89, Application US/09944457
; Patent No. 6734288
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944,457
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,278
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069,696
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,870
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/069,873
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/068,017
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/070,440
; PRIOR FILING DATE: January 5, 1998
; PRIOR APPLICATION NUMBER: 60/074,086
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998

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, PRIOR APPLICATION NUMBER: 60/075,945
, PRIOR FILING DATE: February 25, 1998
, PRIOR APPLICATION NUMBER: 60/113,850
, PRIOR FILING DATE: December 16, 1998
, PRIOR APPLICATION NUMBER: 60/113,296
, PRIOR FILING DATE: December 22, 1998
, PRIOR APPLICATION NUMBER: 60/146,222
, PRIOR FILING DATE: July 28, 1998
, PRIOR APPLICATION NUMBER: PCT/US98/19330
, PRIOR FILING DATE: September 16, 1998
, PRIOR APPLICATION NUMBER: PCT/US98/25108
, PRIOR FILING DATE: December 1, 1998
, PRIOR APPLICATION NUMBER: 09/216,021
, PRIOR FILING DATE: December 16, 1998
, PRIOR APPLICATION NUMBER: 09/218,517
, PRIOR FILING DATE: December 22, 1998
, PRIOR APPLICATION NUMBER: 09/254,311
, PRIOR FILING DATE: March 3, 1999
, PRIOR APPLICATION NUMBER: PCT/US99/12352
, PRIOR FILING DATE: June 22, 1999
, PRIOR APPLICATION NUMBER: PCT/US99/21090
, PRIOR FILING DATE: September 15, 1999
, PRIOR APPLICATION NUMBER: PCT/US99/28409
, PRIOR FILING DATE: No. 6734288ember 30, 1999
, PRIOR APPLICATION NUMBER: PCT/US99/28313
, PRIOR FILING DATE: No. 6734288ember 30, 1999
, PRIOR APPLICATION NUMBER: PCT/US99/28301
, PRIOR FILING DATE: December 1, 1999
, PRIOR APPLICATION NUMBER: PCT/US99/30095
, PRIOR FILING DATE: December 16, 1999
, PRIOR APPLICATION NUMBER: PCT/US00/03565
, PRIOR FILING DATE: February 11, 2000
, PRIOR APPLICATION NUMBER: PCT/US00/04414
, PRIOR FILING DATE: February 22, 2000
, PRIOR APPLICATION NUMBER: PCT/US00/05841
, PRIOR FILING DATE: March 2, 2000
, PRIOR APPLICATION NUMBER: PCT/US00/08439
, PRIOR FILING DATE: March 30, 2000
, PRIOR APPLICATION NUMBER: PCT/US00/14042
, PRIOR FILING DATE: May 22, 2000
, PRIOR APPLICATION NUMBER: PCT/US00/20710
, PRIOR FILING DATE: July 28, 2000
, PRIOR APPLICATION NUMBER: PCT/US00/32678
, PRIOR FILING DATE: December 1, 2000
, PRIOR APPLICATION NUMBER: PCT/US01/06520
, PRIOR FILING DATE: February 28, 2001
, NUMBER OF SEQ ID NOS: 120

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Query Match          1.0%; Score 19.8; DB 4; Length 49;
Best Local Similarity 63.8%; Pred. No. 5.3e+04;
Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps 0;
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Qy 1083 TCTTTCAGGGTTATACTTACTTAGCACACAGCATGATCATTACGGAG 1129
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Search completed: August 24, 2005, 09:57:44
Job time : 444.38 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 2108.32 Seconds
(without alignments)
6277.132 Million cell updates/sec

Title: US-09-402-713C-1
Perfect score: 2037
Sequence: 1 agagctggcgcagaaaaa.....caataagaattacaaga 2037

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*
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22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
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26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	50	2.5	50	10	US-09-996-953-4
C 2	50	2.5	50	24	US-11-085-060-4
C 3	40	2.0	40	22	US-10-880-425A-14
C 4	38	1.9	38	22	US-10-880-425A-31
C 5	33	1.6	33	22	US-10-880-425A-35
C 6	31	1.5	31	22	US-10-880-425A-32
C 7	30	1.5	30	22	US-10-880-425A-13

Sequence 15, Appl	30	22	US-10-880-425A-15
Sequence 20, Appl	30	22	US-10-880-425A-20
Sequence 36, Appl	50	22	US-10-880-425A-36
Sequence 28, Appl	34	22	US-10-880-425A-28
Sequence 40, Appl	26	22	US-09-957-708-40
Sequence 40, Appl	26	22	US-10-880-425A-40
Sequence 5039, Ap	26	22	US-09-927-046-5039
Sequence 39, Appl	48	10	US-09-957-708-39
Sequence 22, Appl	25	22	US-10-880-425A-22
Sequence 24, Appl	24	22	US-10-880-425A-24
Sequence 38, Appl	23	22	US-10-880-425A-38
Sequence 141, App	37	22	US-10-029-345A-141
Sequence 14, Appl	43	21	US-10-741-849-14
Sequence 5894, Ap	50	17	US-10-131-827-5894
Sequence 2, Appl	22	10	US-09-996-953-2
Sequence 46, Appl	22	22	US-10-880-425A-46
Sequence 2, Appl	22	24	US-11-085-060-2
Sequence 89, Appl	49	20	US-10-332-522A-89
Sequence 2855, Ap	47	17	US-10-349-143-2855
Sequence 2037, Ap	50	16	US-10-032-585-2037
Sequence 26, Appl	23	22	US-10-880-425A-26
Sequence 68, Appl	32	18	US-10-270-176-68
Sequence 5025, Ap	48	10	US-09-927-046-5025
Sequence 63, Appl	47	15	US-10-071-179-63
Sequence 63, Appl	47	16	US-10-126-704-63
Sequence 2839, Ap	50	17	US-10-131-827-2839
Sequence 4348, Ap	50	17	US-10-131-827-4348
Sequence 6033, Ap	50	17	US-10-131-827-6033
Sequence 6331, Ap	50	17	US-10-131-827-6331
Sequence 43, Appl	21	22	US-10-880-425A-43
Sequence 105, App	37	22	US-10-029-345A-105
Sequence 137, App	37	22	US-10-029-345A-137
Sequence 190, App	40	20	US-10-469-851-190
Sequence 3, Appl	50	16	US-10-322-360-3
Sequence 503, App	50	17	US-10-131-827-503
Sequence 7817, Ap	50	17	US-10-131-827-7817
Sequence 3012, Ap	47	17	US-10-349-143-3012
Sequence 3116, Ap	47	17	US-10-349-143-3116

ALIGNMENTS

RESULT 1
US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Eusemesters, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.010000
; CURRENT APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

Query Match 2.5%; Score 50; DB 10; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.0036; Mismatches 0; Indels 0; Gaps 0;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 33 TTGTGTGGCTGCAGCCGAGGGAGACCAGGAAGATCTGCATGGTGGGAAGG 82
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 Db 50 TTGTGTGGCTGCAGCCGAGGGAGACCAGGAAGATCTGCATGGTGGGAAGG 1

Db 1 GGAGCACAAGGAGACACAGAGATCCCTGGG 33

RESULT 6

US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:

; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank

; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald

; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor

; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A

; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365

; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32

; LENGTH: 31
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match 1.5%; Score 31; DB 22; Length 31;

Best Local Similarity 100.0%; Pred. No. 3.9e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 427 GCACAAAGGAGACACAGATCCCTGGGAG 457
|||||

Db 1 GCACAAAGGAGACACAGATCCCTGGGAG 31

RESULT 7

US-10-880-425A-13
; Sequence 13, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:

; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank

; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald

; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor

; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A

; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365

; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13

; LENGTH: 30
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 1.5%; Score 30; DB 22; Length 30;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30
|||||

Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

RESULT 8

US-10-880-425A-15
; Sequence 15, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:

; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank

; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald

; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor

; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A

; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365

; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15

; LENGTH: 30
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match 1.5%; Score 30; DB 22; Length 30;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 257 GCAGGGGTGAGAAATAAGAAAGGCTGCTG 286
|||||

Db 1 GCAGGGGTGAGAAATAAGAAAGGCTGCTG 30

RESULT 9

US-10-880-425A-20
; Sequence 20, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:

; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank

; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald

; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor

; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A

; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365

; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46

; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20

; LENGTH: 30
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-20

Query Match 1.5%; Score 30; DB 22; Length 30;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 92 TACAGAGAAATACACACATATACTTAGT 121
|||||

Db 1 TACAGAGAAATACACACATATACTTAGT 30

RESULT 10

US-10-880-425A-36/C
; Sequence 36, Application US/10880425A

; Publication No. US20050164223A1

; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36

Query Match 1.4%; Score 28.8; DB 22; Length 50;

Best Local Similarity 93.8%; Pred. No. 2e+03; Mismatches 2; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 471 CCATCTTGGTGCATGCATGAGCTGCGCCTGT 502
|||||
DB 50 CCATCTTGGTGCATGCATGAGCTCTCCCTAT 19
|||||

RESULT 11

US-10-880-425A-28
; Sequence 28, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28
; LENGTH: 34
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-28

Query Match 1.4%; Score 28.4; DB 22; Length 34;

Best Local Similarity 96.7%; Pred. No. 2.1e+03; Mismatches 1; Indels 0; Gaps 0;

Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 259 CAGGGTGCAGAAATAGAAAGGCTGCTGAC 288
|||||
DB 5 CAGAGGTGAGAAATAGAAAGGCTGCTGAC 34
|||||

RESULT 12

US-09-957-708-40
; Sequence 40, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming

; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-40

Query Match 1.3%; Score 26; DB 10; Length 26;

Best Local Similarity 100.0%; Pred. No. 7.9e+03; Mismatches 0; Indels 0; Gaps 0;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 278 AGGCTGCTGACTTTACCATCTGAGGC 303
|||||
DB 1 AGGCTGCTGACTTTACCATCTGAGGC 26
|||||

RESULT 13

US-10-880-425A-40/c
; Sequence 40, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match 1.3%; Score 26; DB 22; Length 26;

Best Local Similarity 100.0%; Pred. No. 7.9e+03; Mismatches 0; Indels 0; Gaps 0;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 554 CTTAAGGATGGCAGGAAACAGAT 579
|||||
DB 26 CTTAAGGATGGCAGGAAACAGAT 1
|||||

RESULT 14

US-09-927-046-5039/c
; Sequence 5039, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim

```
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloride Channel-1
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5039
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-09-927-046-5039

Query Match          1.2%; Score 25.2; DB 10; Length 48;
Best Local Similarity 71.7%; Pred. No. 1.8e+04;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 49 GAGGAGACCCGAGAGATCTGTCATGTTGGGAAGGACCTGATGATAC 94
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 48 GAGGAGACCCGAGAGATCTCTTGAAGGAGTAACTCTCTGATAC 3

RESULT 15
US-09-957-708-39/c
; Sequence 39, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-39

Query Match          1.2%; Score 25; DB 10; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.4e+04;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 334 ATCACTAGAAACAGCAAGATGACAA 358
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 25 ATCACTAGAAACAGCAAGATGACAA 1

Search completed: August 25, 2005, 00:56:04
Job time : 2108.32 secs
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 394.627 Seconds
(without alignments)
7762.041 Million cell updates/sec

Title: US-09-402-713C-3
Perfect score: 1872
Sequence: 1 agaaactggcatcagaaaaa.....caataagaattacaaga 1872

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

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Minimum DB seq length: 0
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Maximum Match 100%
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3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
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6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1772.4	94.7	3923	4	US-09-636-215-690
2	1772.4	94.7	3923	4	US-09-685-166A-690
3	1772.4	94.7	3923	4	US-09-679-426-690
4	1772.4	94.7	3923	4	US-09-759-143-690
5	1772.4	94.7	3923	4	US-09-651-236-690
6	1739.2	92.9	3112	3	US-09-439-313-468
7	1739.2	92.9	3112	3	US-09-352-616A-468
8	1739.2	92.9	3112	4	US-09-636-215-468
9	1739.2	92.9	3112	4	US-09-685-166A-468
10	1739.2	92.9	3112	4	US-09-679-426-468
11	1739.2	92.9	3112	4	US-09-759-143-468
12	1739.2	92.9	3112	4	US-09-651-236-468
13	1734	92.6	2426	3	US-09-439-313-470
14	1734	92.6	2426	3	US-09-651-236-470
15	1734	92.6	2426	4	US-09-352-616A-470
16	1734	92.6	2426	4	US-09-636-215-470
17	1734	92.6	2426	4	US-09-685-166A-470
18	1734	92.6	2426	4	US-09-679-426-470
19	1734	92.6	2426	4	US-09-759-143-470
20	1715	91.6	2229	3	US-09-651-236-470
21	1715	91.6	2229	3	US-09-439-313-469
22	1715	91.6	2229	3	US-09-352-616A-469
23	1715	91.6	2229	4	US-09-636-215-469
24	1715	91.6	2229	4	US-09-685-166A-469
25	1715	91.6	2229	4	US-09-679-426-469
26	1715	91.6	2229	4	US-09-759-143-469
27	812	43.4	812	3	US-09-439-313-471

C 28	812	43.4	812	3	US-09-352-616A-471	Sequence 471, App
C 29	812	43.4	812	4	US-09-636-215-471	Sequence 471, App
C 30	812	43.4	812	4	US-09-685-166A-471	Sequence 471, App
C 31	812	43.4	812	4	US-09-679-426-471	Sequence 471, App
C 32	812	43.4	812	4	US-09-759-143-471	Sequence 471, App
C 33	812	43.4	812	4	US-09-651-236-471	Sequence 471, App
C 34	513.2	27.4	718	3	US-09-439-313-313	Sequence 313, App
C 35	513.2	27.4	718	3	US-09-352-616A-313	Sequence 313, App
C 36	513.2	27.4	718	3	US-09-232-149A-313	Sequence 313, App
C 37	513.2	27.4	718	4	US-09-636-215-313	Sequence 313, App
C 38	513.2	27.4	718	4	US-09-685-166A-313	Sequence 313, App
C 39	513.2	27.4	718	4	US-09-688-489-313	Sequence 313, App
C 40	513.2	27.4	718	4	US-09-679-426-313	Sequence 313, App
C 41	513.2	27.4	718	4	US-09-759-143-313	Sequence 313, App
C 42	513.2	27.4	718	4	US-09-651-236-313	Sequence 313, App
C 43	414.2	22.1	437	4	US-09-513-999C-10843	Sequence 10843, A
C 44	406.4	21.7	481	4	US-09-621-976-15110	Sequence 15110, A
C 45	288.4	15.4	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1
US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match	94.7%	Score 1772.4;	DB 4;	Length 3923;
Best Local Similarity	99.5%	Pred. No. 0;		
Matches 1770;	Conservative	5;	Mismatches	4;
Indels	0;	Gaps	0;	
Qy	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGCACTTTACCTCTGAGGCCACACATCTCTGAA	153	
Db	281	CAGGGTTCAGAAATAAGAAAGGCTGCTGCACTTTACCTCTGAGGCCACACATCTCTGAA	340	
Qy	154	ATGGAGATTAATTAACATCACTAGAAACAGCAAGATGACAATATATGCTTAAGTAGTGCAC	213	
Db	341	ATGGAGATTAATTAACATCACTAGAAACAGCAAGATGACAATATATGCTTAAGTAGTGCAC	400	
Qy	214	ATGTTTTTGCACTTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAA	273	
Db	401	ATGTTTTTGCACTTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAA	460	

Best Local Similarity 99.58; Pred. No. 0; Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;				
QY	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	153	
DB	281	CAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	340	
QY	154	ATGAGAGTAATTAACATCACTAGAAACAGCAAGATGACATAAATGTTCTTAAGTAGTGAC	213	
DB	341	ATGAGAGTAATTAACATCACTAGAAACAGCAAGATGACATAAATGTTCTTAAGTAGTGAC	400	
QY	214	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACAGAGGAGCACAAGAGAA	273	
DB	401	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACAGAGGAGCACAAGAGAA	460	
QY	274	GCACAGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCACTGATGAGCCTCGCC	333	
DB	461	GCACAGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCACTGATGAGCCTCGCC	520	
QY	334	CTGTGCTGCTCCGCTTGTGAGGAGAGGACATTAAGAAATGAATGATGTTCTCTAA	393	
DB	521	CTGTGCTGCTCCGCTTGTGAGGAGAGGACATTAAGAAATGAATGATGTTCTCTAA	580	
QY	394	AGGATGGGAGGAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTACAGATTG	453	
DB	581	AGGATGGGAGGAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTACAGATTG	640	
QY	454	AAATGAAGTCAAAAGTGACATTTACCAATGAGAGGAAACACAGAGAGAAATCTTGATG	513	
DB	641	AAATGAAGTCAAAAGTGACATTTACCAATGAGAGGAAACACAGAGAGAAATCTTGATG	700	
QY	514	GCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGGAGCAGCAAGCT	573	
DB	701	GCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGGAGCAGCAAGCT	760	
QY	574	GGGAGGAGATACCAAGGAGAGGCTCAGATTTCTGGCCCTGCTGCTTAACTGTGC	633	
DB	761	GGGAGGAGATACCAAGGAGAGGCTCAGATTTCTGGCCCTGCTGCTTAACTGTGC	820	
QY	634	GTTCAATACCAATCAATTTCTAATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGA	693	
DB	821	GTTCAATACCAATCAATTTCTAATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGA	880	
QY	694	TCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACACTCAATTTTAAAT	753	
DB	881	TCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACACTCAATTTTAAAT	940	
QY	754	ATTTAGTCCAGATCTGTAATCTGACCTTTCTACACTGTAGAAATACATTAATCTCAATTT	813	
DB	941	ATTTAGTCCAGATCTGTAATCTGACCTTTCTACACTGTAGAAATACATTAATCTCAATTT	1000	
QY	814	GTTCAAGAGCCCTTCTGTTGCTGCTTAATATGTAGCTGACTGTTTTCTTAAGGAGTGT	873	
DB	1001	GTTCAAGAGCCCTTCTGTTGCTGCTTAATATGTAGCTGACTGTTTTCTTAAGGAGTGT	1060	
QY	874	TCTGGCCAGGGATCTGTAACAGGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATA	933	
DB	1061	TCTGGCCAGGGATCTGTAACAGGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATA	1120	
QY	934	CTTACTAGCACAGAGATGATTAACGGAGTGAATTAATCTAATCAACATCATCTCAGT	993	
DB	1121	CTTACTAGCACAGAGATGATTAACGGAGTGAATTAATCTAATCAACATCATCTCAGT	1180	
QY	994	GTCTTTGGCCATACTGAAATTTCAATTTCCCACTTTTGGCCCATCTCTCAAGACCTCAAAAT	1053	
DB	1181	GTCTTTGGCCATACTGAAATTTCAATTTCCCACTTTTGGCCCATCTCTCAAGACCTCAAAAT	1240	
QY	1054	GTCATTTCCATTAATATACAGGATTAATCTTTTAACTGGGAGAAATTCATGTTA	1113	
DB	1241	GTCATTTCCATTAATATACAGGATTAATCTTTTAACTGGGAGAAATTCATGTTA	1300	
QY	1114	CATGAGCTATGGAAATTAATTAATATTTGTTTTCAGTGCAAGATGACTAAGTCC	1173	

DB	1301	CATGAGCTATGGGAATTAATTAATATTTTTCAGTGCAAGATGACTAAGTCC	1360	
QY	1174	TTTATCCCTCCCTTTGTTTGTATTTTTCAGTATAAAGTTAAATGCTTTAGCCTTGT	1233	
DB	1361	TTTATCCCTCCCTTTGTTTGTATTTTTCAGTATAAAGTTAAATGCTTTAGCCTTGT	1420	
QY	1234	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCAACAT	1293	
DB	1421	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCAACAT	1480	
QY	1294	CAACCCCTCCCATNTSACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1353	
DB	1481	CAACCCCTCCCATNTSACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1540	
QY	1354	ATACATTTTCTCTCTGCTGAGAAAGCTCTCTCTTCTCTTAAATCTAGAATGATGTA	1413	
DB	1541	ATACATTTTCTCTCTGCTGAGAAAGCTCTCTCTTCTCTTAAATCTAGAATGATGTA	1600	
QY	1414	AGTTTGAATAGTTGACATCTTACTTCTCATGCAAGAAAGGACACATATGAGATTCTATC	1473	
DB	1601	AGTTTGAATAGTTGACATCTTACTTCTCATGCAAGAAAGGACACATATGAGATTCTATC	1660	
QY	1474	ATCACATGAGACAGCAAAATCTAAAGTGAATTTGATTATAGAGTTTATAGATAATATA	1533	
DB	1661	ATCACATGAGACAGCAAAATCTAAAGTGAATTTGATTATAGAGTTTATAGATAATATA	1720	
QY	1534	TGAATTCGAAGACACACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGCA	1593	
DB	1721	TGAATTCGAAGACACACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGCA	1780	
QY	1594	AGMAAGGAGGAGAACCTCATATGATCTTATATATATATATCTTCTATCTCTATC	1653	
DB	1781	AGMAAGGAGGAGAACCTCATATGATCTTATATATATATATCTTCTATCTCTATC	1840	
QY	1654	ACAATATCCAAACAGCTTTTACAGAAATTCATGCAAGTCAATCCCAAGGTAACCTTT	1713	
DB	1841	ACAATATCCAAACAGCTTTTACAGAAATTCATGCAAGTCAATCCCAAGGTAACCTTT	1900	
QY	1714	ATCCATTTTCATGCTGAGTGGCTTTAGAAATTTGGCAATCATATCTGCTCACTTATCTCA	1773	
DB	1901	ATCCATTTTCATGCTGAGTGGCTTTAGAAATTTGGCAATCATATCTGCTCACTTATCTCA	1960	
QY	1774	ACTTTGAGATGTTTGTCTTGTAGTTTAAITGAAAGAAATAGGGACCTCTTGTGAGCCA	1833	
DB	1961	ACTTTGAGATGTTTGTCTTGTAGTTTAAITGAAAGAAATAGGGACCTCTTGTGAGCCA	2020	
QY	1834	CTTTAGGGTTCACTCCTGCAATTAAGAAATTTTACAAAGA	1872	
DB	2021	CTTTAGGGTTCACTCCTGCAATTAAGAAATTTTACAAAGA	2059	

RESULT 3
US-09-679-426-690
; Sequence 690, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-679-426-690

Query Match 94.7%; Score 1772.4; DB 4; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 153
DB 281 CAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340
QY 154 ATGGAGATTAATAACATCACTAGAAAACAGCAAGATGACAAATATAATGCTTAAGTAGTGAC 213
DB 341 ATGGAGATTAATAACATCACTAGAAAACAGCAAGATGACAAATATAATGCTTAAGTAGTGAC 400
QY 214 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAA 273
DB 401 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAA 460
QY 274 GCACAGATCCTCGGAGAAATGCCGGCGGCATCTTGGGTATCGATGAGCCTCGCC 333
DB 461 GCACAGATCCTCGGAGAAATGCCGGCGGCATCTTGGGTATCGATGAGCCTCGCC 520
QY 334 CTGTGCTGCTCCGCTGTGAGGGAAGGACATATAGAAAATGAATGTGTTCTCTAA 393
DB 521 CTGTGCTGCTCCGCTGTGAGGGAAGGACATATAGAAAATGAATGTGTTCTCTAA 580
QY 394 AGGATGGGAGGAAAAACAGATCTGTTGTTGGATATTTTGAACGGGATTAACAGATTG 453
DB 581 AGGATGGGAGGAAAAACAGATCTGTTGTTGGATATTTTGAACGGGATTAACAGATTG 640
QY 454 AATGAAGTCAACAAGTGAGCATTAACCAATGAGGAAACAGACAGAGAAATCTTGAT 513
DB 641 AATGAAGTCAACAAGTGAGCATTAACCAATGAGGAAACAGACAGAGAAATCTTGAT 700
QY 514 GCTTCAACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAAAGCT 573
DB 701 GCTTCAACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAAAGCT 760
QY 574 GGGAGGAGATAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGC 633
DB 761 GGGAGGAGATAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGC 820
QY 634 GTTCATAACCAATCATTTTATATTTCTAAACCTCAAAAACAAAGCTGTTGTAATATCTGA 693
DB 821 GTTCATAACCAATCATTTTATATTTCTAAACCTCAAAAACAAAGCTGTTGTAATATCTGA 880
QY 694 TCTCTACGGTTCCTCTCGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAAT 753
DB 881 TCTCTACGGTTCCTCTCGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAAT 940
QY 754 ATTTAGTTCACAGATCTGATGTGACCTTTTACACTGTAGAATAACATTAATCAATTTT 813
DB 941 ATTTAGTTCACAGATCTGATGTGACCTTTTACACTGTAGAATAACATTAATCAATTTT 1000
QY 814 GTTCAAGACCTTCGTGTTGCTGCTAATATATGATGACTGCTGTTTCTTAAGGATGT 873
DB 1001 GTTCAAGACCTTCGTGTTGCTGCTAATATATGATGACTGCTGTTTCTTAAGGATGT 1060
QY 874 TCTGGCCCCAGGGGATCTGTCAACAGAGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATA 933
DB 1061 TCTGGCCCCAGGGGATCTGTGAACAGAGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATA 1120

QY 934 CTTACTAGCACACACGATGATCATTCATCGAGGTGAATATCTAATCAACATCATCTCTAGT 993
DB 1121 CTTACTAGCACACACGATGATCATTCATCGAGGTGAATATCTAATCAACATCATCTCTAGT 1180
QY 994 GTCTTTGCCCATCTAGAAATTCATTTCCACCTTTTGTCGCCATCTCTCAGAGCTCAAAAT 1053
DB 1181 GTCTTTGCCCATCTAGAAATTCATTTCCACCTTTTGTCGCCATCTCTCAGAGCTCAAAAT 1240
QY 1054 GTCATTTCCATTAATATACAGGATTAATCTTTTAACTGGAAGAAATTTCAATGTTA 1113
DB 1241 GTCATTTCCATTAATATACAGGATTAATCTTTTAACTGGAAGAAATTTCAATGTTA 1300
QY 1114 CATGAGCTATGGGAAATTAATTAATTTTCCAGTGCAGGAAAGATGATGAAGTCC 1173
DB 1301 CATGAGCTATGGGAAATTAATTAATTTTCCAGTGCAGGAAAGATGATGAAGTCC 1360
QY 1174 TTTATCCCTCCCTTTGTTGATTTTCCAGTATTAAGTTTAAATGCTTAGGCTTGT 1233
DB 1361 TTTATCCCTCCCTTTGTTGATTTTCCAGTATTAAGTTTAAATGCTTAGGCTTGT 1420
QY 1234 ACTGAGGCTGTATACAGCACAGCCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCAT 1293
DB 1421 ACTGAGGCTGTATACAGCACAGCCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCAT 1480
QY 1294 CAACCCCTCCCATNYACCTAAACAAAATCTAACTTGAATTCCTTGAACATGTGAGGNC 1353
DB 1481 CAACCCCTCCCATNYACCTAAACAAAATCTAACTTGAATTCCTTGAACATGTGAGGNC 1540
QY 1354 ATACATTTTCTGCTGCTGAGAGCTCTTCCCTGCTCTCTTAATCTTAGAATGATGAA 1413
DB 1541 ATACATTTTCTGCTGCTGAGAGCTCTTCCCTGCTCTCTTAATCTTAGAATGATGAA 1600
QY 1414 AGTTTGAATTAAGTTGACTTCTTACTTTCATGCAAGAGGACACATATGAGATTCTATC 1473
DB 1601 AGTTTGAATTAAGTTGACTTCTTACTTTCATGCAAGAGGACACATATGAGATTCTATC 1660
QY 1474 ATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTATAAGAGTTTAGAATAATATA 1533
DB 1661 ATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTATAAGAGTTTAGAATAATATA 1720
QY 1534 TGAATGCAAGACACACAGAGGGAATGTTTATGGGCAAGCTTTGTAAGCCTGGGATGGA 1593
DB 1721 TGAATGCAAGACACACAGAGGGAATGTTTATGGGCAAGCTTTGTAAGCCTGGGATGGA 1780
QY 1594 AGMAAGGACAGGAAACCTCATAGTATCTTATATAATATACTTCAATTTCTCTATCTATC 1653
DB 1781 AGMAAGGACAGGAAACCTCATAGTATCTTATATAATATACTTCAATTTCTCTATCTATC 1840
QY 1654 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTT 1713
DB 1841 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTT 1900
QY 1714 ATCCATTTTCATGTCAGTGCCTTTTAGAATTTTTCGCAAAATCATCTGCTCACTTATCTCA 1773
DB 1901 ATCCATTTTCATGTCAGTGCCTTTTAGAATTTTTCGCAAAATCATCTGCTCACTTATCTCA 1960
QY 1774 ACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGGCA 1833
DB 1961 ACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGGCA 2020
QY 1834 CTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTACAAGA 1872
DB 2021 CTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTACAAGA 2059

RESULT 4
US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A. W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C23
CURRENT APPLICATION NUMBER: US/09/759,143
CURRENT FILING DATE: 2001-01-12
NUMBER OF SEQ ID NOS: 334
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 690
LENGTH: 3923
TYPE: DNA
ORGANISM: Homo sapien
US-09-759-143-690

Query Match 94.7%; Score 1772.4; DB 4; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 94 CAGAGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 153
DB 281 CAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340

QY 154 ATGGAGATATTAACATCACTAGAAACAGCAAGATGACATATAATGCTTAAGTAGTGAC 213
DB 341 ATGGAGATATTAACATCACTAGAAACAGCAAGATGACATATAATGCTTAAGTAGTGAC 400

QY 214 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGAGGAA 273
DB 401 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGAGGAA 460

QY 274 GCACAGATCCCTGGAGAAATGCCGGCGGCATCTTGGGTATCGATGAGCCTCGCC 333
DB 461 GCACAGATCCCTGGAGAAATGCCGGCGGCATCTTGGGTATCGATGAGCCTCGCC 520

QY 334 CTGTGCTGTCCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGCTGTTCTTAA 393
DB 521 CTGTGCTGTCCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGCTGTTCTTAA 580

QY 394 AGGATGGCAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTTACAGATTG 453
DB 581 AGGATGGCAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTTACAGATTG 640

QY 454 AATGAAGTCAAAAGTGACATTTACATGAGAGGAAACACAGAGAAATCTTGATG 513
DB 641 AATGAAGTCAAAAGTGACATTTACATGAGAGGAAACACAGAGAAATCTTGATG 700

QY 514 GCTTCAACAGACATGCAACAAACAAATGGAATGCTGATGACATGAGCGCAAGCT 573
DB 701 GCTTCAACAGACATGCAACAAACAAATGGAATGCTGATGACATGAGCGCAAGCT 760

QY 574 GGGAGGAGATAACCGGGGACAGGGGTGAGGATTTCTGGCCCTGCTGCTAACTGTGC 633
DB 761 GGGAGGAGATAACCGGGGACAGGGGTGAGGATTTCTGGCCCTGCTGCTAACTGTGC 820

QY 634 GTTCATAACCAATATTTCAATTTCTAACCCCTCAAAACAAAGCTGTTGTAATCTGA 693
DB 821 GTTCATAACCAATATTTCAATTTCTAACCCCTCAAAACAAAGCTGTTGTAATCTGA 880

QY 694 TCTCTACGGTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACATCTTTTAAT 753

881 TCTCTACGGTCTCTTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAA 940
754 ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAGAAATAACATTTACTCATTTT 813
941 ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAGAAATAACATTTACTCATTTT 1000
814 GTTCAAGACCCCTTGTGCTGCTTAATATGTAGCTGACTGTTTCTTCAAGGAGTGT 873
1001 GTTCAAGACCCCTTGTGCTGCTTAATATGTAGCTGACTGTTTCTTCAAGGAGTGT 1060
874 TCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA 933
1061 TCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA 1120
934 CTCTAGCACACAGATGATCATTCAGGAGTGAATATCTAATCAACATCATCTCAGT 993
1121 CTCTAGCACACAGATGATCATTCAGGAGTGAATATCTAATCAACATCATCTCAGT 1180
994 GTCTTTGCCCTACTGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACTCAAAAT 1053
1181 GTCTTTGCCCTACTGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACTCAAAAT 1240
1054 GTCTTTGCCCTACTGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACTCAAAAT 1113
1241 GTCTTTGCCCTACTGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACTCAAAAT 1300
1114 CATGAGCTATGGGAATTTAATTAATATTTTCCAGTGCAAGAGTCAAGTCC 1173
1301 CATGAGCTATGGGAATTTAATTAATATTTTCCAGTGCAAGAGTCAAGTCC 1360
1174 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCTTGT 1233
1361 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCTTGT 1420
1234 ACTGAGGCTGATACAGCACAGCCTCTCCCATCTCCAGCTTTATCTGTCATCACCAT 1293
1421 ACTGAGGCTGATACAGCACAGCCTCTCCCATCTCCAGCTTTATCTGTCATCACCAT 1480
1294 CAACCCCTCCCATNYSACATAAACAATACTAATCTGTAATTCCTTGAACTGAGTCA 1353
1481 CAACCCCTCCCATNYSACATAAACAATACTAATCTGTAATTCCTTGAACTGAGTCA 1540
1354 ATACATTTCTCTGCTGAGAGCTCTTCTTCTTAACTTAGATGATGTA 1413
1541 ATACATTTCTCTGCTGAGAGCTCTTCTTCTTAACTTAGATGATGTA 1600
1414 AGTTTGAATTAAGTTGACTTCTTCTCATGCAAGAGGACACATATGAGATTCTATC 1473
1601 AGTTTGAATTAAGTTGACTTCTTCTCATGCAAGAGGACACATATGAGATTCTATC 1660
1474 ATCATGAGACAGCAAAATCTAATAAGTGAATTTGATTTATAGAGTTTAGATAATA 1533
1661 ATCATGAGACAGCAAAATCTAATAAGTGAATTTGATTTATAGAGTTTAGATAATA 1720
1534 TGAATGCAAGKCCACAGAGGATTTTATGGGCGAGCTTTGTAAGCCTGGGATGGA 1593
1721 TGAATGCAAGKCCACAGAGGATTTTATGGGCGAGCTTTGTAAGCCTGGGATGGA 1780
1594 AGMAAGGCGAGGAACTCATAGTATCTTATATAATATATCTTCTATCTCTATC 1653
1781 AGMAAGGCGAGGAACTCATAGTATCTTATATAATATATCTTCTATCTCTATC 1840
1654 ACAATATCCAAAGCTTTTCAAGAAATTCATGAGTGAATTTGCAAAATCCCAAGAGTAA 1713
1841 ACAATATCCAAAGCTTTTCAAGAAATTCATGAGTGAATTTGCAAAATCCCAAGAGTAA 1900
1714 ATCCATTTCTGCTGAGTGGCTTTAGAAATTTGCAAAATCTATCTGTCATCTTCTCA 1773
1901 ATCCATTTCTGCTGAGTGGCTTTAGAAATTTGCAAAATCTATCTGTCATCTTCTCA 1960
1774 ACTTTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTTGTAGGCA 1833
1961 ACTTTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTTGTAGGCA 2020

QY	1834	CTTTAGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	1872
Db	2021	CTTTAGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	2059
RESULT 5			
US-09-651-236-690			
; Sequence 690, Application US/09651236			
; Patent No. 6818751			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqui			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Fanger, Gary R.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Darrick			
; APPLICANT: Li, Samuel			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 210121.42718C18			
; CURRENT APPLICATION NUMBER: US/09/651,236			
; CURRENT FILING DATE: 2000-08-29			
; NUMBER OF SEQ ID NOS: 865			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 690			
; LENGTH: 3923			
; TYPE: DNA			
; ORGANISM: Homo sapien			
US-09-651-236-690			
Query Match 94.7%; Score 1772.4; DB 4; Length 3923;			
Best Local Similarity 99.5%; Pred. No. 0;			
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;			
QY	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAA	153
Db	281	CAGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAA	340
QY	154	ATGGAGATAATTAAACATCACTAGAAAACAGCAAGATGACAATATAATGTCTAAAGTAGTGAC	213
Db	341	ATGGAGATAATTAAACATCACTAGAAAACAGCAAGATGACAATATAATGTCTAAAGTAGTGAC	400
QY	214	ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGAGAACACAAAGGAA	273
Db	401	ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGAGAACACAAAGGAA	460
QY	274	GCACAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTTCATCGATGAGCCTCGCC	333
Db	461	GCACAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTTCATCGATGAGCCTCGCC	520
QY	334	CTGTGCTCGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTCTTAA	393
Db	521	CTGTGCTCGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTCTTAA	580
QY	394	AGGATGGGAGGAAACAGATCTGTGTGGATATTTTGAACGGGATTACAGATTG	453
Db	581	AGGATGGGAGGAAACAGATCTGTGTGGATATTTTGAACGGGATTACAGATTG	640
QY	454	AAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAACAGACAGAGAAAATCTTTGATG	513
Db	641	AAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAACAGACAGAGAAAATCTTTGATG	700

QY	514	GCTTCAAGACATGCAACAAATGGAATCTGTGATGACATGAGGAGCAAGCT	573
Db	701	GCTTCAAGACATGCAACAAATGGAATCTGTGATGACATGAGGAGCAAGCT	760
QY	574	GGGAGGAGATAACACGGGGCAGAGGTTCAGGATTTCTGGCCCTGCTGCCTTAAACTGTGC	633
Db	761	GGGAGGAGATAACACGGGGCAGAGGTTCAGGATTTCTGGCCCTGCTGCCTTAAACTGTGC	820
QY	634	GTTTCATAACCAAAATCATTTTCTAATTTCTAAACCTCAAACAAAGCTGTTGTAATATCTGA	693
Db	821	GTTTCATAACCAAAATCATTTTCTAATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGA	880
QY	694	TCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAAT	753
Db	881	TCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAAT	940
QY	754	ATTTAGTTCCGAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATCTCATTTT	813
Db	941	ATTTAGTTCCGAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATCTCATTTT	1000
QY	814	GTTCAAAGACCTTCGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGGAGTGT	873
Db	1001	GTTCAAAGACCTTCGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGGAGTGT	1060
QY	874	TCTGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA	933
Db	1061	TCTGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA	1120
QY	934	CTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCATCTCAGT	993
Db	1121	CTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCATCTCAGT	1180
QY	994	GTCTTTGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATCTCAAGACCTCAAAAT	1053
Db	1181	GTCTTTGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATCTCAAGACCTCAAAAT	1240
QY	1054	GTCAATTCATTAATACAGAGATTAACCTTTTTTTTTTAACTCGGAAGAAATCAATGTTA	1113
Db	1241	GTCAATTCATTAATACAGAGATTAACCTTTTTTTTTTAACTCGGAAGAAATCAATGTTA	1300
QY	1114	CATGAGCTATGGGAATTTAATTAACATATTTTGTTCAGTGCAAGATGACTAAGTCC	1173
Db	1301	CATGAGCTATGGGAATTTAATTAACATATTTTGTTCAGTGCAAGATGACTAAGTCC	1360
QY	1174	TTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATAGCTTAGCCTTGT	1233
Db	1361	TTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATAGCTTAGCCTTGT	1420
QY	1234	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCAT	1293
Db	1421	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCAT	1480
QY	1294	CAACCCCTCCCATNYACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1353
Db	1481	CAACCCCTCCCATNYACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1540
QY	1354	ATACATTTTCTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGAA	1413
Db	1541	ATACATTTTCTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGAA	1600
QY	1414	AGTTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGGAACACATATGAGATTCATC	1473
Db	1601	AGTTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGGAACACATATGAGATTCATC	1660
QY	1474	ATCATCATGACAGCAAAATCTAAAGTGTAATTTGATTATAAGAGTTTATAGATAATATA	1533
Db	1661	ATCATCATGACAGCAAAATCTAAAGTGTAATTTGATTATAAGAGTTTATAGATAATATA	1720
QY	1534	TGAATGCAAGACACACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGGA	1593
Db	1721	TGAATGCAAGACACACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGGA	1780
QY	1594	AGMAAGGCGGGAACCTCATAGTATCTTATATAATATCTTCTTCTCTCTATC	1653

Db	1781	:	AGCAAGCGAGGAACCTCATAGTATCTTATATTAATTAATCTTCAATTTCTCTATCTCTATC	1840
Qy	1654	ACAATATCCAAACAAGCTTTTTCACAGAAATTCATGCAGTGCAAAATCCCAAGGTAACCTTT		1713
Db	1841	ACAATATCCAAACAAGCTTTTTCACAGAAATTCATGCAGTGCAAAATCCCAAGGTAACCTTT		1900
Qy	1714	ATCCATTTTCATGTTGAGTGGCGTTTAGAATTTTGGCAAAATCATACTGGTCACTTATCTCA		1773
Db	1901	ATCCATTTTCATGTTGAGTGGCGTTTAGAATTTTGGCAAAATCATACTGGTCACTTATCTCA		1960
Qy	1774	ACTTTGAGATGTGTTTCTGCTCTGTAGTAAATTTGAAGAATAAGGGCACTCTTTGTAGCCA		1833
Db	1961	ACTTTGAGATGTGTTTCTGCTCTGTAGTAAATTTGAAGAATAAGGGCACTCTTTGTAGCCA		2020
Qy	1834	CTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA	1872	
Db	2021	CTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA	2059	

RESULT 6

US-09-439-313-468

; Sequence 468, Application US/09439313

; Patent No. 6329505

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun

APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

APPLICANT: Jiang Yuqi

APPLICANT: Reed, Steven G.

APPLICANT: Kalos, Michael

APPLICANT: Fanger, Gary

APPLICANT: Retter, Mark

APPLICANT: SOLOK, John

APPLICANT: Day, Craig

1. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
2. TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 310131 437C8

FILE REFERENCE: Z10121:42/C5
CURRENT APPLICATION NUMBER: 1

CURRENT FILING DATE: 1999-11-12 :
CURRENT AFFILIATION NUMBER: 03/03/133,313

NUMBER OF SEQ ID NOS: 575

: SOFTWARE: FastSEO for Windows

: SEQ ID NO 468

; LENGTH: 3113

TYPE: DNA

ORGANISM:

US-09-439-313-468

Query Match

Best Local Similarity 99.4%; Pred. No. 0;

Matches 1771; Conservative 4; Mismatched

92	TACAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTG	151
Qy		
Db		
1307	TAAATAGTGGAGAAATAAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTG	1366
Qy		
152	AAATGGAGATAATTAAACATCACTAGAAACAGCAGATGACAATAATAATGTCTAAGTAGTG	211
Db		
1367	AAATGGAGATAATTAAACATCACTAGAAACAGCAGATGACAATAATAATGTCTAAGTAGTG	1426
Qy		
212	ACATGTTTTTGGCACATTTTCAGCCCCCTTTAAATATCCACACACACAGGAGACACAAAGG	271
Db		
1427	ACATGTTTTTGGCACATTTTCAGCCCCCTTTAAATATCCACACACACAGGAGACACAAAGG	1486
Qy		
272	AAGCACAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCAATCGATGAGCCCTCG	331
Db		
1487	AAGCACAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCAATCGATGAGCCCTCG	1546
Qy		
332	CCCTGTGCCCTGGTCCCCTGTGTGAGGAAGGACANTAGAAAAATGAAATGTGATGTTCCCTT	391
Db		
1547	CCCTGTGCCCTGGTCCCCTGTGTGAGGAAGGACANTAGAAAAATGAAATGTGATGTTCCCTT	1606

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Db 2685 ATCATCACATGACAGACAAATCTAAAAGTGTAATTTGATTATAAGAGTTTAGATAAAAT 2744
QY 1531 ATATGAAATGCAAGAKCCACAGAGGGAATGTTTATCGGGCAGCTTTGTAGCCTGGGATG 1590
Db 2745 ATATGAATATGCAAGAGCCACAGAGGGAATGTTTATCGGGCAGCTTTGTAGCCTGGGATG 2804
QY 1591 TGAAGMAAGGCGAGGAACCTCATAGTATCTTATATAATATATCTTCATTTCTCTATCTCT 1650
Db 2805 TGAAGCAAGGCGAGGAACCTCATAGTATCTTATATAATATATCTTCATTTCTCTATCTCT 2864
QY 1651 ATCAGAAATCCAAAGCTTTTCAGAAATTCATCGAGTGCNAATCCCAAGGTAACC 1710
Db 2865 ATCAGAAATCCAAAGCTTTTCAGAAATTCATCGAGTGCNAATCCCAAGGTAACC 2924
QY 1711 TTTATCCATTTTCATGCTGAGTGGCTTTTGAATTTTGGCAATCATACTGGTCACCTTATC 1770
Db 2925 TTTATCCATTTTCATGCTGAGTGGCTTTTGAATTTTGGCAATCATACTGGTCACCTTATC 2984
QY 1771 TCAACTTTGAGATGCTTTGCTCTCTAGTTAATGAAAGAAATAGGGCACTCTTTGTGAG 1830
Db 2985 TCAACTTTGAGATGCTTTGCTCTCTAGTTAATGAAAGAAATAGGGCACTCTTTGTGAG 3044
QY 1831 CCACITTTAGGTTCACTCTCTGGCAATAAAGAAATTTACAAGA 1872
Db 3045 CCACITTTAGGTTCACTCTCTGGCAATAAAGAAATTTACAAGA 3086

RESULT 7
US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 92.9%; Score 1739.2; DB 3; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 3; Indels 3; Gaps 3;

QY 92 TACAGAGGTGAGAAATAGAAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGAAATAGAAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
QY 152 AAATGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATATANTGCTTAAGTAGTG 211
Db 1367 AAATGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATATANTGCTTAAGTAGTG 1426
QY 212 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGG 271
Db 1427 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGG 1486
QY 272 AAGCAGAGATCCCTGGGAGAAATCCCGCGGCCCATCTTGGGTATCGATGAGCCTCG 331
Db 1487 AAGCAGAGATCCCTGGGAGAAATCCCGCGGCCCATCTTGGGTATCGATGAGCCTCG 1546
QY 332 CCCTGTGCTGTGCTGCTGTGAGGAAGGACATTTAGAAATGAATTCATGCTGTCTCTT 391
```

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Db 1547 CCCTGTGCTGTGCTGCTGCTGTGAGGAAGGACATTAGAAAAATGAATTTGATGTGTTCCCT 1606
QY 392 AAAGGATCGGCGAGGAAAAACAGATCCTGTTGTGGATATTTTATTTGAAACGGGATTACAGATT 451
Db 1607 AAAGGATCGGCGAGGAAAAACAGATCCTGTTGTGGATATTTTATTTGAAACGGGATTACAGATT 1666
QY 452 TGAATGAAGTCACAAAGTGAGCAATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTTGA 511
Db 1667 TGAATGAAGTCACAAAGTGAGCAATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTTGA 1726
QY 512 TGGCTTCAACAGACATGCAACAAACAAAATGGAATCTGTGTATGATGATGAGGACGCCAAG 571
Db 1727 TGGCTTCAACAGACATGCAACAAACAAAATGGAATCTGTGTATGATGATGAGGACGCCAAG 1786
QY 572 CTGGGGAGAGATAACACGCGGCGAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGT 631
Db 1787 CTGGGGAGAGATAACACGCGGCGAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGT 1846
QY 632 GGTTCATAACCAAAATCATTTCTAATTTCTAACCCCTCAAAAACAAAGCTGTTGTGAATATCT 691
Db 1847 GCGTTTCAAAACAAATCATTTCTAATTTCTAACCCCTCAAAAACAAAGCTGTTGTGAATATCT 1906
QY 692 GATCTCTACGGTTCCTCTCGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 751
Db 1907 GATCTCTACGGTTCCTCTCGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 1966
QY 752 ATATTTAGTTCCTCAGATCTGTGACCTTTCTACACTGTAGAAATAACTACTACTCATTT 811
Db 1967 ATATTTAGTTCCTCAGATCTGTGACCTTTCTACACTGTAGAAATAACTACTACTCATTT 2026
QY 812 TTGTTTCAAAGACCCCTTCTGTTGCTGCTTAATATATGTAGCTGACTGTTTTTCTTAAGGAGT 871
Db 2027 TTGTTTCAAAGACCCCTTCTGTTGCTGCTTAATATATGTAGCTGACTGTTTTTCTTAAGGAGT 2086
QY 872 GTTCTGGCCCGAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTTTCCAGGGTTA 931
Db 2087 GTTCTGGCCCGAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTTTCCAGGGTTA 2146
QY 932 TACTTACTAGCACACAGCATGATCATTAACGAGTGAATTAATCTAATCAACATCATCTCA 991
Db 2147 TACTTACTAGCACACAGCATGATCATTAACGAGTGAATTAATCTAATCAACATCATCTCA 2206
QY 992 GTGCTTTTGGCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAA 1051
Db 2207 GTGCTTTTGGCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAA 2266
QY 1052 ATGTCATTTCCATTAATATACAGGATTAACCTTTTTTTTAACTGGAAGATTCATTAAGT 1111
Db 2267 ATGTCATTTCCATTAATATACAGGATTAACCTTTTTTTTAACTGGAAGATTCATTAAGT 2326
QY 1112 TACATGACGCTATGGGAATTTAAATTTACATATTTTGTTCAGCTGCAAGATGACTAAGT 1171
Db 2327 TACATGACGCTATGGGAATTTAAATTTACATATTTTGTTCAGCTGCAAGATGACTAAGT 2386
QY 1172 CCTTTATCCCTCCCTTTGTTTGTATTTTTTTTCAGTATAAAGTTAAATGCTTAGCCCTT 1231
Db 2387 CCTTTATCCCTCCCTTTGTTTGTATTTTTTTTCAGTATAAAGTTAAATGCTTAGCCCTT 2446
QY 1232 GTACTGAGGCTGTATACAG-CACAGCCCTCCCATCCCTCCAGCTTATCTGTCTATCAC 1290
Db 2447 GTACTGAGGCTGTATACAGCCAGCCCTCTCCCATCCCTCCAGCTTATCTGTCTATCAC 2506
QY 1291 CATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAG 1350
Db 2507 CATCAACCCCTCCCATG-CACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAG 2565
QY 1351 GNCATACATTTTCTGCTGCTGAGAAAGCTCTTCTTGTCTCTTAATCTAGAAATGATG 1410
Db 2566 G-CATACATTAATTTCTGCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAGAAATGATG 2624
QY 1411 TAAAGTTTTTGAATTAAGTTGACTTCTTACTTCAAGAAAGGACACATATGAGATTC 1470
Db 2625 TAAAGTTTTTGAATTAAGTTGACTTCTTACTTCAAGAAAGGACACATATGAGATTC 2684
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QY 1471 ATCATCATGACAGACAAATCTAAAGTGTAATTTGATTATAAGAGTTTAGATAAAT 1530
DB |||||
2685 ATCATCATGACAGACAAATCTAAAGTGTAATTTGATTATAAGAGTTTAGATAAAT 2744
QY 1531 ATATGAATTCRAAGKCCAGAGGGAATTTTATGGGCGACGTTTGTAAAGCTGGGATG 1590
DB |||||
2745 ATATGAATTCRAAGKCCAGAGGGAATTTTATGGGCGACGTTTGTAAAGCTGGGATG 2804
QY 1591 TGAAGAAAGCGAGGAACCTCATAGTATCTTATATAATATATCTTCATTTCTCTATCTCT 1650
DB |||||
2805 TGAAGAAAGCGAGGAACCTCATAGTATCTTATATAATATATCTTCATTTCTCTATCTCT 2864
QY 1651 ATCACAATATCCAAAGCTTTTACAGAAATTCATGACAGTGCAGAAATCCCAAGGTAACC 1710
DB |||||
2865 ATCACAATATCCAAAGCTTTTACAGAAATTCATGACAGTGCAGAAATCCCAAGGTAACC 2924
QY 1711 TTTATCCATTTCAATGTTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTATC 1770
DB |||||
2925 TTTATCCATTTCAATGTTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTATC 2984
QY 1771 TCAACTTTTGAGATGTTGTTGCTCTGTTAGTAAATGAAAGAAATAGGGCACTCTTGTGAG 1830
DB |||||
2985 TCAACTTTTGAGATGTTGTTGCTCTGTTAGTAAATGAAAGAAATAGGGCACTCTTGTGAG 3044
QY 1831 CCACTTTAGGTTCACTCTCGGCAATAAGAAATTTACAAAGA 1872
DB |||||
3045 CCACTTTAGGTTCACTCTCGGCAATAAGAAATTTACAAAGA 3086

RESULT 8

US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636, 215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-468

Query Match 92.9%; Score 1739.2; DB 4; Length 3112;

Best Local Similarity 99.4%; Pred. No. 0;

Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY 92 TACAGAGGTGAGAAATAAGAAAGGCTGCTGACATTTTACCATCTCAGGCGCACACATCTGCTG 151
DB |||||
1307 TAAATAGGTGAGAAATAAGAAAGGCTGCTGACATTTTACCATCTCAGGCGCACACATCTGCTG 1366

QY 152 AAATGAGAGATAAATAACATCACTAGAAACAGCAAGATGACAATAATAATCTCTAAGTAGTG 211
DB |||||
1367 AAATGAGAGATAAATAACATCACTAGAAACAGCAAGATGACAATAATAATCTCTAAGTAGTG 1426
QY 212 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAAGG 271
DB |||||
1427 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAAGG 1486
QY 272 AAGCAGAGATCCCTGGGAGAAATCCCGCGCGCCATCTTGGGTCATCGATGAGCCTCG 331
DB |||||
1487 AAGCAGAGATCCCTGGGAGAAATCCCGCGCGCCATCTTGGGTCATCGATGAGCCTCG 1546
QY 332 CCTGTGCTGTCGCTTGTGAGGAGAGACATTTAGAAATGAATGAATGATGTGTCCTT 391
DB |||||
1547 CCTGTGCTGTCGCTTGTGAGGAGAGACATTTAGAAATGAATGAATGATGTGTCCTT 1606
QY 392 AAAGATGGGAGGAGAAACAGATCTGTTGTGATATTTTATTTGAACGGGATTTACAGATT 451
DB |||||
1607 AAAGATGGGAGGAGAAACAGATCTGTTGTGATATTTTATTTGAACGGGATTTACAGATT 1666
QY 452 TGAATGAAGTCAAAAAGTGAGCATTTACCAATGAGAGGAGAAACAGACGAGAAAAATCTTGA 511
DB |||||
1667 TGAATGAAGTCAAAAAGTGAGCATTTACCAATGAGAGGAGAAACAGACGAGAAAAATCTTGA 1726
QY 512 TGGCTTCAAGACATGCAACAAATGGAATCTGTGATGACATGAGGAGCGCCAG 571
DB |||||
1727 TGGCTTCAAGACATGCAACAAATGGAATCTGTGATGACATGAGGAGCGCCAG 1786
QY 572 CTGGGAGGAGATAACCGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTCAACTG 631
DB |||||
1787 CTGGGAGGAGATAACCGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTCAACTG 1846
QY 632 GCGTTTCAATAACCAAAATCATTTTATATTTCTAACCTCAAAAACAAAGCTGTTGTAATATCT 691
DB |||||
1847 GCGTTTCAATAACCAAAATCATTTTATATTTCTAACCTCAAAAACAAAGCTGTTGTAATATCT 1906
QY 692 GATCTCTAGGTTCTTCTGGGCGCAACATTTCTCATATATCCAGGACACATCATTTTGA 751
DB |||||
1907 GATCTCTAGGTTCTTCTGGGCGCAACATTTCTCATATATCCAGGACACATCATTTTGA 1966
QY 752 ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACTGTAGATACATTAATCTACTCAT 811
DB |||||
1967 ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACTGTAGATACATTAATCTACTCAT 2026
QY 812 TTGTTCAAAGACCTTCTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 871
DB |||||
2027 TTGTTCAAAGACCTTCTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 2086
QY 872 GTTCTGGCGCGGAGATCTGTGAACAGGCTGGGAGAGCATCTCAAGATCTTTCCAGGTTA 931
DB |||||
2087 GTTCTGGCGCGGAGATCTGTGAACAGGCTGGGAGAGCATCTCAAGATCTTTCCAGGTTA 2146
QY 932 TACTTTACTAGCACACAGATGATCAATAGGAGTGAATTTATCTAATCAACATCATCTCA 991
DB |||||
2147 TACTTTACTAGCACACAGATGATCAATAGGAGTGAATTTATCTAATCAACATCATCTCA 2206
QY 992 GTGCTTTTGGCCATATCTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAA 1051
DB |||||
2207 GTGCTTTTGGCCATATCTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAA 2266
QY 1052 ATGTCATTTCCATTAATATCAAGGATTAATCTTTTATTTTAACTGCTGGAAGATTAATCT 1111
DB |||||
2267 ATGTCATTTCCATTAATATCAAGGATTAATCTTTTATTTTAACTGCTGGAAGATTAATCT 2326
QY 1112 TACATGCGAGCTATGGGAATTTAAATTTACATATTTTCTTCCAGTCCAAAGATGACTAAGT 1171
DB |||||
2327 TACATGCGAGCTATGGGAATTTAAATTTACATATTTTCTTCCAGTCCAAAGATGACTAAGT 2386
QY 1172 CCTTTATCCTCCCTTGTGTTGATTTTCCAGTATAAAGTAAATGCTTAGCCCTT 1231
DB |||||
2387 CCTTTATCCTCCCTTGTGTTGATTTTCCAGTATAAAGTAAATGCTTAGCCCTT 2446
QY 1232 GTACTGAGGCTGTATACAG-CACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCTATCAC 1290

2447	Db		GTACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTGCATCAC	2506
1291	Qy	CATCAACCCCTCCCATNYSACCTAAACAAAACTCTAACTGTGTAACTCTTGAAACATGTCAG	1350	
2507	Db	CATCAACCCCTCCCATG-CACTAAACAAAACTCTAACTGTGTAACTCTTGAAACATGTCAG	2565	
1351	Qy	GNCATACATTTTCCCTTCGCTGAGAGGCTCTCCCTGTCTCTTAANTCTAGAAATGATG	1410	
2566	Db	G-CATACATTTTCCCTTCGCTGAGAGGCTCTCCCTGTCTCTTAANTCTAGAAATGATG	2624	
1411	Qy	TAAAGTTTTGAATAAGTTGACTATCTTTACTTTCATGCAAGAGGGACACATATGAGATTTC	1470	
2625	Db	TAAAGTTTTGAATAAGTTGACTATCTTTACTTTCATGCAAGAGGGACACATATGAGATTTC	2684	
1471	Qy	ATCATCATATGAGACAGCAAAATCTAAAAAGTGTAATTTTGATATTAAGAGTTTATAGATAAAT	1530	
2685	Db	ATCATCATATGAGACAGCAAAATCTAAAAAGTGTAATTTTGATATTAAGAGTTTATAGATAAAT	2744	
1531	Qy	ATATGAAATCCAAAGKCCACAGAGGGGAATGTTTATGGGACACGTTTCTAAGCCCTGGGATG	1590	
2745	Db	ATATGAAATCCAGAGGCCACAGAGGGGAATGTTTATGGGACACGTTTCTAAGCCCTGGGATG	2804	
1591	Qy	TGAAGMAAAGCGAGGGAACTCTATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCT	1650	
2805	Db	TGAAGCAAAGCGAGGGAACTCTATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCT	2864	
1651	Qy	ATCACAATATCCAAACAGCTTTTTCACAGAATTCATGCAGTGCAAAATCCCCAAAGGTAACC	1710	
2865	Db	ATCACAATATCCAAACAGCTTTTTCACAGAATTCATGCAGTGCAAAATCCCCAAAGGTAACC	2924	
1711	Qy	TTTATCCATTTCAATGGTGAGTGCGCTTTTGAATTTTGGCAAAATCATACTGGTCACTTATTC	1770	
2925	Db	TTTATCCATTTCAATGGTGAGTGCGCTTTTGAATTTTGGCAAAATCATACTGGTCACTTATTC	2984	
1771	Qy	TCAACTTTTGAGATGTGTTTGTCTGTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAG	1830	
2985	Db	TCAACTTTTGAGATGTGTTTGTCTGTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAG	3044	
1831	Qy	CCACTTTAGGGTTCACTCTCTGGCAATTAAGAAATTTTACAAAGA	1872	
3045	Db	CCACTTTAGGGTTCACTCTCTGGCAATTAAGAAATTTTACAAAGA	3086	

RESULT 9

[illegible]

Qy	1052	ATGTCATTCCCAATTAATCA	CAGAGTTAACTTTT	TTTTTAA	CCCTGAGAAATTC	CAATGT	1111
Db	2267	ATGTCATTCCCAATTAATCA	CAGAGTTAACTTTT	TTTTTAA	CCCTGAGAAATTC	CAATGT	2326
Qy	1112	TACATGCAGCTATGGGAATTTAA	TACATAATTTT	TGTTTCC	CAGTGC	CAAAAGATGACTAAGT	1171
Db	2327	TACATGCAGCTATGGGAATTTAA	TTACATAATTTT	TGTTTCC	CAGTGC	CAAAAGATGACTAAGT	2386
Qy	1172	CCTTTATCCCTCCCTTTGTTTGAT	TTTTTTTTC	CAGTATAAAGT	TTAAATGCTTTAGCCTT	1231	
Db	2387	CCTTTATCCCTCCCTTTGTTTGAT	TTTTTTTTC	CAGTATAAAGT	TTAAATGCTTTAGCCTT	2446	
Qy	1232	GTACTGAGGCTGTATACAG	-CACAGCCTCTCC	CCATCCCTCC	AGCCTTATCTGTCATCAC	1290	
Db	2447	GTACTGAGGCTGTATACAG	CCACAGCCTCTCC	CCATCCCTCC	AGCCTTATCTGTCATCAC	2506	
Qy	1291	CATCAACCCCTCCCATNVSACCT	AAAACTAACTTTG	TAAATTCCTTG	AAACATGTCAG	1350	
Db	2507	CATCAACCCCTCCCATG	-CACCTAAACAA	AATCTAACTTG	TAAATTCCTTG	AAACATGTCAG	2565
Qy	1351	GNCATACATATTTCTCTTCTG	CTCAGAAAGCTTCTT	CTGTCTCTTAA	NTCTAGAAATCATG	1410	
Db	2566	G-CATACATATTTCTCTTCTG	CTCAGAAAGCTTCTT	CTGTCTCTTAA	NTCTAGAAATCATG	2624	
Qy	1411	TAAAGTTTTGAATTAAGTTGACT	ATCTTTATGCA	AAAGAGGACACATATGAGATTC	1470		
Db	2625	TAAAGTTTTGAATTAAGTTGACT	ATCTTTATGCA	AAAGAGGACACATATGAGATTC	2684		
Qy	1471	ATCATCACATGAGACACAAATCT	AAAGTGTAATTTG	ATTATAAGAGTTTATAGATAAAT	1530		
Db	2685	ATCATCACATGAGACACAAATCT	AAAGTGTAATTTG	ATTATAAGAGTTTATAGATAAAT	2744		
Qy	1531	ATATGAAATGCAAGAKCCACAG	AGGGAATGTTTATG	GGGCAACGTTTGAAGCCCTGGGATG	1590		
Db	2745	ATATGAAATGCAAGAGGCCACAG	AGGGAATGTTTATG	GGGCAACGTTTGAAGCCCTGGGATG	2804		
Qy	1591	TGAGMAAAGGCGAGGAACCTCAT	AGTATCTTATATAATATCT	TCTTCAATTTCTCTATCTCT	1650		
Db	2805	TGAGMAAAGGCGAGGAACCTCAT	AGTATCTTATATAATATCT	TCTTCAATTTCTCTATCTCT	2864		
Qy	1651	ATCACAATATCCAAACAAGCTTTT	CACAGAAATTCATG	CAGTGCAAAATCCCAAGGTAACC	1710		
Db	2865	ATCACAATATCCAAACAAGCTTTT	CACAGAAATTCATG	CAGTGCAAAATCCCAAGGTAACC	2924		
Qy	1711	TTTTATCCATTTTCATGGTGAGT	GCCTTTAGAAATTTTGG	CAAAATCATFACTGGTCACTTATC	1770		
Db	2925	TTTTATCCATTTTCATGGTGAGT	GCCTTTAGAAATTTTGG	CAAAATCATFACTGGTCACTTATC	2984		
Qy	1771	TCAACTTTTGAGATGCTGTTTG	TCTTGCTTGTAAATTTG	AAAGAAATPAGGGCACTCTTGTGAG	1830		
Db	2985	TCAACTTTTGAGATGCTGTTTG	TCTTGCTTGTAAATTTG	AAAGAAATPAGGGCACTCTTGTGAG	3044		
Qy	1831	CCACTTTAGGGTTCACTCTCT	CGGCAATTAAGAAATTTACA	AAGA 1872			
Db	3045	CCACTTTAGGGTTCACTCTCT	CGGCAATTAAGAAATTTACA	AAGA 3086			

RESULT 10
US-09-679-426-468
; Sequence 468, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.

:	APPLICANT:	Day, Craig H.			
:	APPLICANT:	Vedvick, Thomas S.			
:	APPLICANT:	Carter, Darrick			
:	APPLICANT:	Li, Samuel			
:	APPLICANT:	Wang, Aijun			
:	APPLICANT:	Skeiky, Yasir A.W.			
:	APPLICANT:	Hepeler, William			
:	TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY AND			
:	TITLE OF INVENTION:	DIAGNOSIS OF PROSTATE CANCER			
:	FILE REFERENCE:	210121.427C20			
:	CURRENT APPLICATION NUMBER:	US/09/679,426			
:	CURRENT FILING DATE:	2000-10-02			
:	NUMBER OF SEQ ID NOS:	895			
:	SOFTWARE:	FastSeq for Windows Version 3.0			
:	SEQ ID NO	468			
:	LENGTH:	3112			
:	TYPE:	DNA			
:	ORGANISM:	Homo sapiens			
:	US-09-679-426-468				
<hr/>					
	Query Match	92.9%;	Score 1739.2;	DB 4;	Length 3112;
	Best Local Similarity	99.4%;	Pred. No. 0;		
	Matches 1771;	Conservative	4;	Mismatches	3; Gaps 3;
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Qy	92	TACAGAGGTGAGAAATGAAGAAGCTCTGACTTTTACCATCTGAGGCCACACATCTGCCTG	151		
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Qy	152	AAATGGAGATAATTAAACATCACTAGAACAGCAAGATGACAATATATATGTC TAAGTAGTG	211		
Dd	1367	AAATGGAGATAATTAAACATCACTAGAACAGCAAGATGACAATATATATGTC TAAGTAGTG	1426		
Qy	212	ACATGTTTTTGCACATTTCCAGCGCCCTTTAAAATATCCACACACAGAGAAAGCACAAAAGG	271		
Dd	1427	ACATGTTTTTGCACATTTCCAGCGCCCTTTAAAATATCCACACACAGAGAAAGCACAAAAGG	1486		
Qy	272	AAGCACAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTTGGGTCTCATGATGAGCCTCG	331		
Dd	1487	AAGCACAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTTGGGTCTCATGATGAGCCTCG	1546		
Qy	332	CCCTGTGCTTGGTCCCCTGTTGTGAGGGAAGGACATTTAGAAAATGAATGATGTGTTCCCTT	391		
Dd	1547	CCCTGTGCTTGGTCCCCTGTTGTGAGGGAAGGACATTTAGAAAATGAATGATGTGTTCCCTT	1606		
Qy	392	AAAGGATGGCGAGGAAAAACAGATCCCTGTTGATATTTAATTTGAACCGGATTACAGATT	451		
Dd	1607	AAAGGATGGCGAGGAAAAACAGATCCCTGTTGATATTTAATTTGAACCGGATTACAGATT	1666		
Qy	452	TGAATGAAGTCAAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAATCTTGA	511		
Dd	1667	TGAATGAAGTCAAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAATCTTGA	1726		
Qy	512	TGGCTTCACAAGACATGCAACAAACAAATTGGAAATCTGTGATGACATGAGGAGCCCAAG	571		
Dd	1727	TGGCTTCACAAGACATGCAACAAACAAATTGGAAATCTGTGATGACATGAGGAGCCCAAG	1786		
Qy	572	CTGGGAGGAGATAACCAACCGSGCAGAGGCTCAGGATTTCTGGCCCCCTGCTSCCTTAAACTGT	631		
Dd	1787	CTGGGAGGAGATAACCAACCGSGCAGAGGCTCAGGATTTCTGGCCCCCTGCTSCCTTAAACTGT	1846		
Qy	632	GCGTTTCATAACCAAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTAATATCT	691		
Dd	1847	GCGTTTCATAACCAAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTAATATCT	1906		
Qy	692	GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATATCAGGCCACACTCATTTTAA	751		
Dd	1907	GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATATCAGGCCACACTCATTTTAA	1966		
Qy	752	ATATTTTAGTTCCCAAGATCTGACTGTGACCTTTCTACACTGTAGATAAACAATTACTCATTT	811		
Dd	1967	ATATTTTAGTTCCCAAGATCTGACTGTGACCTTTCTACACTGTAGATAAACAATTACTCATTT	2026		
Qy	812	TTGTTC AAAGACCCCTTGGTGTGCTGCTTAATATGTAGCTGACTGTTTTTTCCTAAAGGAGT	871		

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2087 GTTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTA 2146
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2625 TAAAGTTTGAATAGTTCAGTATCTTACTTCATGCAAAAGAGGACACATATGAGATTC 2684
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3045 CCACTTTAGGTTCACTCTCGCAATAAAGAAATTTACAAGA 3086
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RESULT 11

US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. 6800746

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Harlocker, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 92.9%; Score 1739.2; DB 4; Length 3112;

Best Local Similarity 99.4%; Pred. No. 0;

Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

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QY 152 AAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTTCTAAGTAGTG 211
Db 1367 AAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTTCTAAGTAGTG 1426
QY 212 ACATGTTTTTCGACATTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAAGG 271
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QY 272 AAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTTGGGTTCATCGATGAGCCCTCG 331
Db 1487 AAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTTGGGTTCATCGATGAGCCCTCG 1546
QY 332 CCCTGTGCTCGCTCCGCTTGTGAGGGAAGCAATAGAAAATGAATTTGATGTTGTTCTT 391
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Db 1607 AAAGGATGGCAGGAGAAACACATCTCTTTGTTGGATATTTTATTTGAACGGGATTACAGATT 1666
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QY 1291 CATCAACCCCTCCCATNYSACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTGAC 1350
Db 2507 CATCAACCCCTCCCATG-CACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTGAC 2565
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RESULT 12
US-09-651-236-468
; Sequence 468, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-468

Query Match 92.9%; Score 1739.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY 92 TACAGAGTGAAGTAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGTGAAGTAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 1366
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Db 2985 TCAACTTTGAGATGTTTTCCTTGTAGTTAAATTTGAAGAAATAGGCACTCTTTGTGAG 3044
Qy 1831 CCACCTTAGGTTCACTCTCGCAATTAAGAAATTTTACAAGA 1872
Db 3045 CCACCTTAGGTTCACTCTCGCAATTAAGAAATTTTACAAGA 3086

RESULT 13
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439.313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match 92.6%; Score 1734; DB 3; Length 2426;
Best Local Similarity 98.4%; Pred. No. 0;
Matches 1776; Conservative 4; Mismatches 21; Indels 3; Gaps 3;
Qy 65 ATCTGCAATGGTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACT 124
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QY 185 AGATGACATATAATGCTCTAAGTAGTGACATGTTTTGACATATTTCCAGCCCTTTAAAT 244
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 1622 ATCCACACACAGAGAGACAAAAGGAAGACACAGATCCCTGGGAGAAATGCCGGCC 1563
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RESULT 15
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 ; Sequence 470, Application US/09636215
 ; Patent No. 6620922
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.42717C17
 ; CURRENT APPLICATION NUMBER: US/09/636.215
 ; CURRENT FILING DATE: 2000-08-10
 ; NUMBER OF SEQ ID NOS: 852

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GenCore version 5.1.6
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(without alignments)
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Maximum Match 100%

Listing first 45 summaries

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26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1772.4	94.7	3582	22	US-10-880-425A-2
3	1772.4	94.7	3923	9	US-09-759-143-690
4	1772.4	94.7	3923	9	US-09-780-669-690
5	1772.4	94.7	3923	9	US-09-822-827-690
6	1772.4	94.7	3923	9	US-09-895-793-690
7	1772.4	94.7	3923	9	US-09-895-814-690

8	1772.4	94.7	3923	13	US-10-012-896-690
9	1772.4	94.7	3923	15	US-10-205-823-316
10	1772.4	94.7	3923	16	US-10-144-678A-690
11	1772.4	94.7	3923	16	US-10-294-025-690
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15	1739.2	92.9	3112	9	US-09-895-793-468
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c 24	1734	92.6	2426	9	US-09-895-793-470
c 25	1734	92.6	2426	9	US-09-895-814-470
c 26	1734	92.6	2426	13	US-10-012-896-470
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c 42	812	43.4	812	9	US-09-780-669-471
c 43	812	43.4	812	9	US-09-822-827-471
c 44	812	43.4	812	9	US-09-895-793-471
c 45	812	43.4	812	9	US-09-895-814-471

ALIGNMENTS

RESULT 1

US-10-880-425A-1
; Sequence 1, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Heggels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1472)..(1472)
; OTHER INFORMATION: n = a, c, g or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1517)..(1517)
; OTHER INFORMATION: n = a, c, g or t

; FEATURE:									
; NAME/KEY: misc_feature									
; LOCATION: (1563)..(1563)									
; OTHER INFORMATION: n = a, c, g or t									
US-10-880-425A-1									
Query Match									
Best Local Similarity 99.9%; Pred. No. 0;									
Matches 1778; Conservative 0; Mismatches 1; Indels 0; Gaps 0;									
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QY	214	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGGAA	273						
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DB	499	CTGTGCTGCTGCCCTTGTGAGGGAAGGACATTAGAAAAATGAATTGATGTGTTCTTTAA	558						
QY	394	AGGATGGGAGAAACAGATCCTGTTGTGGATATTTTGAACCGGATTAACAGATTG	453						
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QY	1834	CTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTACAAGA	1872
DB	1999	CTTTAGGGTTCACTCTCGGCAATTAAGAAATTTTACAAGA	2037

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; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessel, Daphne
; APPLICANT: Vermaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365

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; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2.2
; SEQ ID NO 2
; LENGTH: 3582
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-880-425A-2

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Query Match 94.7%; Score 1772.4; DB 22; Length 3582;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0;

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274	Qy	GCAACAGAT	CCCTCG	GGAGAAAT	CGCCCG	CGCCATCT	TGGGT	CATCGATG	AGCCCT	CG	333
461	Db	GCACAGAT	CCCTCG	GGAGAAAT	TGCCCG	CGCCATCT	TGGGT	CATCGATG	AGCCCT	CG	520
334	Qy	CTGTGCT	CTGGTCC	GTGTG	AGGAAG	GCATTAGA	AAATGA	ATTTGAT	GTGTTCT	CT	393
521	Db	CTGTGCT	CTGGTCC	GTGTG	AGGAAG	GCATTAGA	AAATGA	ATTTGAT	GTGTTCT	CT	580
394	Qy	AGGATGGG	CAGGAAAA	CAGATCT	CTGTT	TGGATATTTAT	TTTGA	ACGGG	ATTACAGAT	TTG	453
581	Db	AGGATGGG	CAGGAAAA	CAGATCT	CTGTT	TGGATATTTAT	TTTGA	ACGGG	ATTACAGAT	TTG	640
454	Qy	AAATGAAG	TACAAA	GTGAG	CAATTTAC	CAATGAG	AGAAAA	CACACAG	AGAAAA	TCTTGAT	513
641	Db	AAATGAAG	TACAAA	GTGAG	CAATTTAC	CAATGAG	AGAAAA	CACACAG	AGAAAA	TCTTGAT	700
514	Qy	GCTTCA	CAAGAC	ATGCA	AAACAA	AAATGGA	TAATCTGT	GTATG	CATGAG	GCAGCC	573
701	Db	GCTTCA	CAAGAC	ATGCA	AAACAA	AAATGGA	TAATCTGT	GTATG	CATGAG	GCAGCC	760
574	Qy	GGGGAG	AGATAC	CACGG	GCAGAG	GGTCAG	AGATTTCTG	GCCTG	CTGCTAA	CTGTC	633
761	Db	GGGGAG	AGATAC	CACGG	GCAGAG	GGTCAG	AGATTTCTG	GCCTG	CTGCTAA	CTGTC	820
634	Qy	GTTTCATA	ACCAAT	CAATTTCT	ATATTTCT	AAACCC	CTCAAAA	CAAAAG	CTGTTG	TAAATCTG	693
821	Db	GTTTCATA	ACCAAT	CAATTTCT	ATATTTCT	AAACCC	CTCAAAA	CAAAAG	CTGTTG	TAAATCTG	880
694	Qy	TCTCTAG	GGTTCT	CTGGG	CCCAAC	ATTTCT	CCATATAT	CCAGG	CCACAT	CAATTTTAAT	753
881	Db	TCTCTAG	GGTTCT	CTGGG	CCCAAC	ATTTCT	CCATATAT	CCAGG	CCACAT	CAATTTTAAT	940
754	Qy	ATTTAGT	TCCAGAT	CTGTACT	GTGAC	CTTTCTAC	ACTGTAG	AAATAAC	ATTACT	CAATTTT	813
941	Db	ATTTAGT	TCCAGAT	CTGTACT	GTGAC	CTTTCTAC	ACTGTAG	AAATAAC	ATTACT	CAATTTT	1000
814	Qy	GTTCAA	AGAC	CCCTT	CGTTG	TGCTG	CCATAAT	TATGTAG	CTGACT	GTTTTC	873
1001	Db	GTTCAA	AGAC	CCCTT	CGTTG	TGCTG	CCATAAT	TATGTAG	CTGACT	GTTTTC	1060
874	Qy	TCTGGC	CCAGGG	ATCTGT	GAA	CAGGCT	GGGAAG	CACTCA	AGATCTTT	CCAGGG	933
1061	Db	TCTGGC	CCAGGG	ATCTGT	GAA	CAGGCT	GGGAAG	CACTCA	AGATCTTT	CCAGGG	1120
934	Qy	CTTTACT	AGCA	CACAG	ATGAT	CAATTA	TCGGAG	TGAAAT	TATCTA	ATCAAT	993
1121	Db	CTTTACT	AGCA	CACAG	ATGAT	CAATTA	TCGGAG	TGAAAT	TATCTA	ATCAAT	1180

RESULT 3

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RESUMI_3
US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.

```


RESULT 4

US-09-780-669-690
; Sequence 690, Application US/09780669
; Patent No. US20020051977A1

GENERAL INFORMATION:	
APPLICANT:	Xu, Jlangchun
APPLICANT:	Dillon, Davin C.
APPLICANT:	Mitcham, Jennifer L.
APPLICANT:	Harlocker, Susan L.
APPLICANT:	Jiang, Yuqi
APPLICANT:	Henderson, Robert A.
APPLICANT:	Kalos, Michael D.
APPLICANT:	Fanger, Gary R.
APPLICANT:	Reiter, Marc W.
APPLICANT:	Stolk, John A.
APPLICANT:	Day, Craig H.
APPLICANT:	Vedvick, Thomas S.
APPLICANT:	Carder, Darrick
APPLICANT:	Li, Samuel
APPLICANT:	Wang, Aijun
APPLICANT:	Skaiky, Yasir A.W.
APPLICANT:	Hepler, William
APPLICANT:	Hural, John
APPLICANT:	McNeill, Patricia D.
APPLICANT:	Houghton, Raymond L.

Query Match	94.7%	Score 1772.4;	DB 9;	Length 3923;
Best Local Similarity	99.5%;	Pred. No. 0;		
Matches 1770;	Conservative	5;	Mismatches 4;	Indels 0;
				Gaps 0;

Qy	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	153
Db	281	CAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	340
Qy	154	ATGCGAGATAATTAACATCATCTAGAAAACAGCAAGATGACAAATATATGTCTTAAGTAGTGAC	213
Db	341	ATGCGAGATAATTAACATCATCTAGAAAACAGCAAGATGACAAATATATGTCTTAAGTAGTGAC	400
Qy	214	ATGCTTTTGTGCACATTTCCAGGCCCTTTAAATATCTCACACACACAGGAAGACACAAAGGAA	273
Db	401	ATGCTTTTGTGCACATTTCCAGGCCCTTTAAATATCTCACACACACAGGAAGACACAAAGGAA	460
Qy	274	GCACAGAGATCCCTGGGAGAAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCTCGCC	333
Db	461	GCACAGAGATCCCTGGGAGAAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCTCGCC	520
Qy	334	CTGTGCTGTGTCGGCTTGTGAGGGAGGACATTTAGAAAATGAATGTGTTCCTTAA	393
Db	521	CTGTGCTGTGTCGGCTTGTGAGGGAGGACATTTAGAAAATGAATGTGTTCCTTAA	580
Qy	394	AGGATGGCGAGGAAAACAGATCCGTGTGTGGATATTTATTGAACGGGATTTACAGATTGTG	453
Db	581	AGGATGGCGAGGAAAACAGATCCGTGTGTGGATATTTATTGAACGGGATTTACAGATTGTG	640
Qy	454	AAATGAAGTCACAAAGTGAGCATTACCAAATGAGAGGAAAAACAGACGAGAAAAATCTTTGATG	513
Db	641	AAATGAAGTCACAAAGTGAGCATTACCAAATGAGAGGAAAAACAGACGAGAAAAATCTTTGATG	700
Qy	514	GCTTCAACAGACATGCAACAAAAAATAATGGAATACTGTGTGATGACATGAGGCAGGCAAGCT	573

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Db 1781 AGCAAAGGCAGGGAACCTCATAGTATCTTATATATATATATATATCTTCAATTTCTTATCTCTATC 1840
Qy 1654 ACAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAGTCAAAATCCCAAGGTAAACCTTT 1713
Db 1841 ACAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAGTCAAAATCCCAAGGTAAACCTTT 1900
Qy 1714 ATCCATTTTCATGGTGAGTGGCTTTTAGAATTTTGCAAAATCATATCTGTCATCTATCTCA 1773
Db 1901 ATCCATTTTCATGGTGAGTGGCTTTTAGAATTTTGCAAAATCATATCTGTCATCTATCTCA 1960
Qy 1774 ACTTTTGAGATGGTTTGTGCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGAGCCA 1833
Db 1961 ACTTTTGAGATGGTTTGTGCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGAGCCA 2020
Qy 1834 CTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 1872
Db 2021 CTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 2059

RESULT 5
US-09-822-827-690
; Sequence 690, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-690

Query Match 94.7%; Score 1772.4; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 94 CAGAGGTGAGAAATTAAGAAAGCTGCTGACTTACCATCTGAGGGCCACACATCTGCTGAA 153
Db 281 CAGGGGTGAGAAATTAAGAAAGCTGCTGACTTACCATCTGAGGGCCACACATCTGCTGAA 340
Qy 154 ATGGAGATAATTAACATCACTAGAACAGCAGAGATGACAATATATGCTAAGTAGTCAC 213
Db 341 ATGGAGATAATTAACATCACTAGAACAGCAGAGATGACAATATATGCTAAGTAGTCAC 400
Qy 214 ATGTTTTTGCACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCACAAAGGAA 273
Db 401 ATGTTTTTGCACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCACAAAGGAA 460
Qy 274 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCTCGCC 333
Db 461 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCTCGCC 520
Qy 334 CTGTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAATCAATTTGATGTCTTCTTAA 393
Db 521 CTGTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAATCAATTTGATGTCTTCTTAA 580
Qy 394 AGGATGGGCAGGAAACAGATCTCTGTGTGGATATTTTATTTGAAACGGGATTACAGATTG 453
Db 581 AGGATGGGCAGGAAACAGATCTCTGTGTGGATATTTTATTTGAAACGGGATTACAGATTG 640
Qy 454 AAATGAAGTCAAAAGTACGCAATTAACCAATGAGGAGGAAAAACAGACAGAAAAATCTTGATG 513
Db 641 AAATGAAGTCAAAAGTACGCAATTAACCAATGAGGAGGAAAAACAGACAGAAAAATCTTGATG 700
Qy 514 GCTTCACAAGACATGCCAAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAGCT 573
Db 701 GCTTCACAAGACATGCCAAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAGCT 760
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Qy 574 GGGGAGGAGATAAACCCAGGGGCAGAGGTCAGGAATTCGTGGCCCTGCTGCCATAAACTGTGC 633
Db 761 GGGGAGGAGATAAACCCAGGGGCAGAGGTCAGGAATTCGTGGCCCTGCTGCCATAAACTGTGC 820
Qy 634 GTTCATAAACCAAAATCAATTTCTAAACCTTCTAAACCAAAAGCTGTGTGAATATCTGA 693
Db 821 GTTCATAAACCAAAATCAATTTCTAAACCTTCTAAACCAAAAGCTGTGTGAATATCTGA 880
Qy 694 TCTCTACGGTTCCTTCTGGGGCCCAACATTTCTCCATATATCCAGCCACACACTCATTTTAA 753
Db 881 TCTCTACGGTTCCTTCTGGGGCCCAACATTTCTCCATATATCCAGCCACACACTCATTTTAA 940
Qy 754 ATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTCATTT 813
Db 941 ATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTCATTT 1000
Qy 814 GTTCAAAGACCCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 873
Db 1001 GTTCAAAGACCCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1060
Qy 874 TCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGCTTATA 933
Db 1061 TCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGCTTATA 1120
Qy 934 CTTTACTAGCACACAGCATGATCATTTACGGAGTGAATTAATCTAAATCAACATCATCTCAGT 993
Db 1121 CTTTACTAGCACACAGCATGATCATTTACGGAGTGAATTAATCTAAATCAACATCATCTCAGT 1180
Qy 994 GTCTTTGCCCATCTGAAAATTCATTTCCACATTTTGTGCCCATCTCAAGACCTCAAAAT 1053
Db 1181 GTCTTTGCCCATCTGAAAATTCATTTCCACATTTTGTGCCCATCTCAAGACCTCAAAAT 1240
Qy 1054 GTCAATCCATTAATATACACAGATTAACATTTTAACTGGAAGAAATCAATGTTA 1113
Db 1241 GTCAATCCATTAATATACACAGATTAACATTTTAACTGGAAGAAATCAATGTTA 1300
Qy 1114 CATGAGCTATGGAAATTAATATACATATTTTGTTCAGTGCAGGATGACATGAATGCC 1173
Db 1301 CATGAGCTATGGAAATTAATATACATATTTTGTTCAGTGCAGGATGACATGAATGCC 1360
Qy 1174 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCTTGT 1233
Db 1361 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCTTGT 1420
Qy 1234 ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCAGCCTTATCTGTCAATCACCAT 1293
Db 1421 ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCAGCCTTATCTGTCAATCACCAT 1480
Qy 1294 CAACCCCTCCCATNYSACCTAAACAAATCTAACTTGAATTCCTTGAACATGTCAGNC 1353
Db 1481 CAACCCCTCCCATNYSACCTAAACAAATCTAACTTGAATTCCTTGAACATGTCAGNC 1540
Qy 1354 ATACATTTTCTCTGCTGAGAAAGCTCTTCTTCTCTCTTAAATCTAGAAATGATGA 1413
Db 1541 ATACATTTTCTCTGCTGAGAAAGCTCTTCTTCTCTCTTAAATCTAGAAATGATGA 1600
Qy 1414 AGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGGAGGACACATATGAGATTATC 1473
Db 1601 AGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGGAGGACACATATGAGATTATC 1660
Qy 1474 ATCATATGAGACAGCAAAATCTAAAGTGAATTTGATTAATGAAGTTTGAATAAATA 1533
Db 1661 ATCATATGAGACAGCAAAATCTAAAGTGAATTTGATTAATGAAGTTTGAATAAATA 1720
Qy 1534 TGAATCCAGAKCCACAGAGGGAATGTTTATGGGACAGCTTGTGAAGCTTGGGATGGA 1593
Db 1721 TGAATCCAGAGCCACAGAGGGAATGTTTATGGGACAGCTTGTGAAGCTTGGGATGGA 1780
Qy 1594 AGMAAGGACAGGAAACCTCATAGTATCTTATATATATATCTTCAATTTCTCTATCTATC 1653
Db 1781 AGMAAGGACAGGAAACCTCATAGTATCTTATATATATATATCTTCAATTTCTCTATCTATC 1840
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QY 1654 ACAATATCCAAAGCTTTTCACAGAAATTCATGCAAGTGCAGAAATCCCAAGGTAAACCTTT 1713
DB 1841 ACAATATCCAAAGCTTTTCACAGAAATTCATGCAAGTGCAGAAATCCCAAGGTAAACCTTT 1900
QY 1714 ATCCATTTTCATGAGTGGCTTTTGAATTTTGGCAAAATCATACTGGTCACTTATCTCA 1773
DB 1901 ATCCATTTTCATGAGTGGCTTTTGAATTTTGGCAAAATCATACTGGTCACTTATCTCA 1960
QY 1774 ACTTTGAGATGTTTGTCTCTGTTAGTAAATTTGAAAGAAATAGGCACTCTTGTGAGCCA 1833
DB 1961 ACTTTGAGATGTTTGTCTCTGTTAGTAAATTTGAAAGAAATAGGCACTCTTGTGAGCCA 2020
QY 1834 CTTTAGGTTTCACTCTCGCAATAAAGAAATTTTACAAGA 1872
DB 2021 CTTTAGGTTTCACTCTCGCAATAAAGAAATTTTACAAGA 2059

RESULT 6

US-09-895-793-690
; Sequence 690, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT FILING DATE: 2001-06-29
; CURRENT APPLICATION NUMBER: US/09/895,793
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-690

Query Match 94.7%; Score 1772.4; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAA 153
DB 281 CAGGGGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340
QY 154 ATGGAGATTAATTAACATCACTAGAAACAGCAGATGACATATATGTTCTAGTAGTGAC 213
DB 341 ATGGAGATTAATTAACATCACTAGAAACAGCAGATGACATATATGTTCTAGTAGTGAC 400
QY 214 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAA 273
DB 401 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAA 460

QY 274 GCACAGAGATCCTCGGAGAAATGCCCCGCCCATCTTTGGGTCACTCGATGAGCCTCGCC 333
DB 461 GCACAGAGATCCTCGGAGAAATGCCCCGCCCATCTTTGGGTCACTCGATGAGCCTCGCC 520
QY 334 CTGTCCTCGTCCCGCTTGTGAGGGAAGGACATTAAGAAATCAATTAATGATGTTCCCTTAA 393
DB 521 CTGTCCTCGTCCCGCTTGTGAGGGAAGGACATTAAGAAATCAATTAATGATGTTCCCTTAA 580
QY 394 AGGATGGGAGGAAACAGATCCTGTTGTGGGATATTTATTTGAAACGGGATTAACAGATTTG 453
DB 581 AGGATGGGAGGAAACAGATCCTGTTGTGGGATATTTATTTGAAACGGGATTAACAGATTTG 640
QY 454 AAATGAAGTCAAAAGTGAAGCAATTAACCAATGAGAGGAAACAGACAGAGAAATCTTTGATG 513
DB 641 AAATGAAGTCAAAAGTGAAGCAATTAACCAATGAGAGGAAACAGACAGAGAAATCTTTGATG 700
QY 514 GCTTCACAGACATGCACAAACAAATCGGAATCTGTGATGACATGAGCGAGCCAAAGCT 573
DB 701 GCTTCACAGACATGCACAAACAAATCGGAATCTGTGATGACATGAGCGAGCCAAAGCT 760
QY 574 GGGGAGGAGATAACCAACGGGGCAGAGGGTCAAGGATTTCTGGCCCTGCTGCTAAACTGTGC 633
DB 761 GGGGAGGAGATAACCAACGGGGCAGAGGGTCAAGGATTTCTGGCCCTGCTGCTAAACTGTGC 820
QY 634 GTTCATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGA 693
DB 821 GTTCATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGA 880
QY 694 TCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACATCAATTTTAAAT 753
DB 881 TCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACATCAATTTTAAAT 940
QY 754 ATTTAGTTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAATAAATTAATCAATTTT 813
DB 941 ATTTAGTTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAATAAATTAATCAATTTT 1000
QY 814 GTTCAAGACCTTCGTGTTGCTGCTTAATATGTAAGTCACTGTTTCTTAAGAGTGT 873
DB 1001 GTTCAAGACCTTCGTGTTGCTGCTTAATATGTAAGTCACTGTTTCTTAAGAGTGT 1060
QY 874 TCTGGCCAGGGGATCTGTGAACAGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATA 933
DB 1061 TCTGGCCAGGGGATCTGTGAACAGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATA 1120
QY 934 CTCTACTAGCACACAGCATGATCATTAACGAGTGAATTAATCAATCAACATCACTCACT 993
DB 1121 CTCTACTAGCACACAGCATGATCATTAACGAGTGAATTAATCAATCAACATCACTCACT 1180
QY 994 GTCTTTGGCCCATCTGAATTCATTTCCCATCTTTTGTGCCCCATTTCTCAAGACCTCAAAAT 1053
DB 1181 GTCTTTGGCCCATCTGAATTCATTTCCCATCTTTTGTGCCCCATTTCTCAAGACCTCAAAAT 1240
QY 1054 GTCAATTCATTAATATCACAGGATTAACCTTTTAACTCTGAGGAAATTCAGATTTA 1113
DB 1241 GTCAATTCATTAATATCACAGGATTAACCTTTTAACTCTGAGGAAATTCAGATTTA 1300
QY 1114 CATGAGCTATGGGAATTTAATTAATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1173
DB 1301 CATGAGCTATGGGAATTTAATTAATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1360
QY 1174 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCCTTGT 1233
DB 1361 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCCTTGT 1420
QY 1234 ACTGAGGCTGTATACAGACAGCCCTCTCCCATCCCTCAGCCTTATCTGTCATCAACCAT 1293
DB 1421 ACTGAGGCTGTATACAGACAGCCCTCTCCCATCCCTCAGCCTTATCTGTCATCAACCAT 1480
QY 1294 CAACCCCTCCCATNYSACCTAAACAAAATCTAACTTTGTAATTTCTTGAACATGTCAGGNC 1353
DB 1481 CAACCCCTCCCATNYSACCTAAACAAAATCTAACTTTGTAATTTCTTGAACATGTCAGGAC 1540
QY 1354 ATACATTTTCTCTGCTGAGAAAGCTTCTCCCTTCTCTTAAANTCTTGAATGATGTA 1413


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Db 1541 ATACATTATTCCTTCTGCGCTGAGAAGCTCTCTCTCTCTTAAATCTAGAATGATGTAA 1600
Qy 1414 AGTTTTGAATAAGTTGACTATCTTACTTCATGCAAGAAGGGACACATATGAGATTCATC 1473
Db 1601 AGTTTTGAATAAGTTGACTATCTTCTTCTCATGCAAGAAGGGACACATATGAGATTCATC 1660
Qy 1474 ATCAGATGAGACAGCAAACTACTAAAAAGTGTAAATTTGATTATAAGAGTTTATAGATAAATATA 1533
Db 1661 ATCAGATGAGACAGCAAACTACTAAAAAGTGTAAATTTGATTATAAGAGTTTATAGATAAATATA 1720
Qy 1534 TGAATGCAAGAKCCACAGAGGGAATGTTTATAGGGGCACTTTTGAAGCCTGGGATGTGA 1593
Db 1721 TGAATGCAAGAGCCACAGAGGGAATGTTTATAGGGGCACTTTTGAAGCCTGGGATGTGA 1780
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Db 1781 AGCAAGGCAGGGAACCTCATAGTATCTTATATAATATAATCTTCATTTCTCTATCTATC 1840
Qy 1654 ACAATATCAACAAGCTTTTTCAGAAATTCATGCAATTCATGCAATTCCTCAAGGTAACCTTT 1713
Db 1841 ACAATATCAACAAGCTTTTTCAGAAATTCATGCAATTCATGCAATTCCTCAAGGTAACCTTT 1900
Qy 1714 ATCCATTTTCATGAGTGGCTTTTGAATTTTGGCAAAATCATCTGGTCACTTATCTCA 1773
Db 1901 ATCCATTTTCATGAGTGGCTTTTGAATTTTGGCAAAATCATCTGGTCACTTATCTCA 1960
Qy 1774 ACTTTGAGATGTTTGTCTTGTCTTGTAGTAAATTTGAAGAAATAGGGCACCTTTGTGAGCCA 1833
Db 1961 ACTTTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATAGGGCACCTTTGTGAGCCA 2020
Qy 1834 CTTTAGGTTCACTCTCTGCAATAAAGAAATTTACAAAGA 1872
Db 2021 CTTTAGGTTCACTCTCTGCAATAAAGAAATTTACAAAGA 2059
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RESULT 7

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US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aljun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
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; ORGANISM: Homo sapien
US-09-895-814-690
Query Match 94.7%; Score 1772.4; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
Qy 94 CAGAGGTGAGAAATAAGAAAGGCTGCTGACCTTTACCATCTTGAGGCGACACATCTCTGAA 153
Db 281 CAGGGGTGAGAAATAAGAAAGGCTGCTGACCTTTACCATCTTGAGGCGACACATCTCTGAA 340
Qy 154 ATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATATGTCTAAGTAGTGAC 213
Db 341 ATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATATGTCTAAGTAGTGAC 400
Qy 214 ATGTTTTTGACATCTTCAGCCCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAA 273
Db 401 ATGTTTTTGACATCTTCAGCCCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAA 460
Qy 274 GCACAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTCAATCGATGAGCCTCGCC 333
Db 461 GCACAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTCAATCGATGAGCCTCGCC 520
Qy 334 CTGTGCTGTGCTCCGCTTTGTGAGGGAAGCAATTAGAAAAATGAATGTATGTCTCTTAA 393
Db 521 CTGTGCTGTGCTCCGCTTTGTGAGGGAAGCAATTAGAAAAATGAATGTATGTCTCTTAA 580
Qy 394 AGGATGGGACGAAACAGATCCCTGTTGTGGATATTTATTTGAAAGGATTTACAGATTG 453
Db 581 AGGATGGGACGAAACAGATCCCTGTTGTGGATATTTATTTGAAAGGATTTACAGATTG 640
Qy 454 AAATGAAGTCACAAAGTGAGCAATACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATG 513
Db 641 AAATGAAGTCACAAAGTGAGCAATACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATG 700
Qy 514 GCTTCACAAAGCATGCAACAAATGGAATACTGTGATGACATGAGGCGCAAGCT 573
Db 701 GCTTCACAAAGCATGCAACAAATGGAATACTGTGATGACATGAGGCGCAAGCT 760
Qy 574 GGGGAGGAGATAACACCGGCGCAGAGGTGAGGATCTTGGGCCCTGCTGCTTAACTGTGC 633
Db 761 GGGGAGGAGATAACACCGGCGCAGAGGTGAGGATCTTGGGCCCTGCTGCTTAACTGTGC 820
Qy 634 GTTCATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGAATATCTGA 693
Db 821 GTTCATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGAATATCTGA 880
Qy 694 TCTCTAGGTTCTTCTGGGCGCAACATCTCTCATATATCCAGCCACACATCATTTTAAAT 753
Db 881 TCTCTAGGTTCTTCTGGGCGCAACATCTCTCATATATCCAGCCACACATCATTTTAAAT 940
Qy 754 ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATCAATCTCATTTT 813
Db 941 ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATCAATCTCATTTT 1000
Qy 814 GTTCAAAGACCTTTCGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGAGAGTGT 873
Db 1001 GTTCAAAGACCTTTCGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGAGAGTGT 1060
Qy 874 TCTGGCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGGTTTATA 933
Db 1061 TCTGGCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGGTTTATA 1120
Qy 934 CTTTACTAGCACACAGCATGATCATTTACGAGTGAATTAATTAATCAACATCATCTCAGT 993
Db 1121 CTTTACTAGCACACAGCATGATCATTTACGAGTGAATTAATTAATCAACATCATCTCAGT 1180
Qy 994 GTCTTTGCCCATCTAGAAATTCATTTCCACTTTTGTGCCCATCTTCAAGACCTCAAAAT 1053
Db 1181 GTCTTTGCCCATCTAGAAATTCATTTCCACTTTTGTGCCCATCTTCAAGACCTCAAAAT 1240
Qy 1054 GTCAATCCATTAATATCACAGGATTAATTTTTTTTAACTCGAAGAAATTCATGTATA 1113
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1241	Db	GTCAATTCCATTAATATACAGAGATTAACTTTTTTTTTTAACTCTGGGAAGAAATCAATGTTTA	1300
1114	Qy	CATGCAGCTATGGGAATTAATACATATTTTGTTTTCCAGTGCAAAGATGACTAAGTCC	1173
1301	Db	CATGCAGCTATGGGAATTAATACATATTTTGTTTTCCAGTGCNAAGATGACTAAGTCC	1360
1174	Qy	TTTATCCCTCCCTTGTTGATTTTTTTTTTCCAGTATAAAAGTTAAAAGTCTTAGCCCTTGT	1233
1361	Db	TTTATCCCTCCCTTGTTGATTTTTTTTTTCCAGTATAAAAGTTAAAAGTCTTAGCCCTTGT	1420
1234	Qy	ACTGAGCTGTATACAGACAGCCTCTCCCCATCCCTCCAGCCCTTATCTGTCAATCACCAT	1293
1421	Db	ACTGAGCTGTATACAGACAGCCTCTCCCCATCCCTCCAGCCCTTATCTGTCAATCACCAT	1480
1294	Qy	CAACCCCTCCCATNYSACCTAAACAAATCTAACTGTGTAATTCCTTGAAACATCTCAGGNC	1353
1481	Db	CAACCCCTCCCATCCACCTTAAACAAATCTAACTGTGTAATTCCTTGAAACATCTCAGGAC	1540
1354	Qy	ATACATTTTCTTCGCTGAGAAGCTCTTCCTTGCTCTCTTAANTCTGAATGATGTAA	1413
1541	Db	ATACATTTTCTTCGCTGAGAAGCTCTTCCTTGCTCTCTTAANTCTGAATGATGTAA	1600
1414	Qy	AGTTTTGAATTAAGTTGACTACTTTACTTTCATGCAAAAGAGGGACACATATGAGATTCATC	1473
1601	Db	AGTTTTGAATTAAGTTGACTACTTTACTTTCATGCAAAAGAGGGACACATATGAGATTCATC	1660
1474	Qy	ATCACATGACAGCAAAATACTAAAAGTGTAAATTTTGATTATAAGAGTTTAGATAAAATATA	1533
1661	Db	ATCACATGACAGCAAAATACTAAAAGTGTAAATTTTGATTATAAGAGTTTAGATAAAATATA	1720
1534	Qy	TGAAATGCAAGKCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAGCCTGGAGTGTGA	1593
1721	Db	TGAAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAGCCTGGAGTGTGA	1780
1594	Qy	AGWAAAGGCAAGGAACTCATAGTATCTTATATAATATACTTTCATTCTCTATCTCTATC	1653
1781	Db	AGCAAAAGGCAAGGAACTCATAGTATCTTATATAATATACTTTCATTCTCTATCTCTATC	1840
1654	Qy	ACAATATCCAAACAGCTTTTTCACAGAAATTCATGCAGTGCAAAATCCCAAGGTAACCTTT	1713
1841	Db	ACAATATCCAAACAGCTTTTTCACAGAAATTCATGCAGTGCAAAATCCCAAGGTAACCTTT	1900
1714	Qy	ATCCATTTCAATGGTGAGTGCGCTTTAGAAATTTTGGCAAAATCATACTGGTCACCTTATCTCA	1773
1901	Db	ATCCATTTCAATGGTGAGTGCGCTTTAGAAATTTTGGCAAAATCATACTGGTCACCTTATCTCA	1960
1774	Qy	ACTTTGAGATGTGTTTGCTCTGTAGTTAAATGAAAGAAATAGGGACCTCTTGAGGCCA	1833
1961	Db	ACTTTGAGATGTGTTTGCTCTGTAGTTAAATGAAAGAAATAGGGACCTCTTGAGGCCA	2020
1834	Qy	CTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	1872
2021	Db	CTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	2059

RESULT 8

US-10-012-896-690
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:

[illegible]

Db 941 ATTTAGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTTT 1000
Qy 814 GTTCAAAGACCCCTTCGTGTTGCTGCTTAATAATAGTAGCTGACTGTTTCTTAAGGAGTGT 873
Db 1001 GTTCAAAGACCCCTTCGTGTTGCTGCTTAATAATAGTAGCTGACTGTTTCTTAAGGAGTGT 1060
Qy 874 TCTGGCCCCAGGGGATCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATA 933
Db 1061 TCTGGCCCCAGGGGATCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATA 1120
Qy 934 CTTACTAGCACACAGCATGATCATTTACGAGAGTAATTAATCTAATCAACATCATCTCAGT 993
Db 1121 CTTACTAGCACACAGCATGATCATTTACGAGAGTAATTAATCTAATCAACATCATCTCAGT 1180
Qy 994 GTCTTTGGCCCATCTAGAAATTCATTTCCCACTTTTGTGCCCCATTTCTCAAGACCTCAAAAT 1053
Db 1181 GTCTTTGGCCCATCTAGAAATTCATTTCCCACTTTTGTGCCCCATTTCTCAAGACCTCAAAAT 1240
Qy 1054 GTCAATTCATTAATATCACAGGATTAATCTTTTAACTGGAAGAAATCAATGTGA 1113
Db 1241 GTCAATTCATTAATATCACAGGATTAATCTTTTAACTGGAAGAAATCAATGTGA 1300
Qy 1114 CATGAGCTATGGGAATTAATTAACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1173
Db 1301 CATGAGCTATGGGAATTAATTAACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1360
Qy 1174 TTTATCCCTCCCTCTGTTGTTGTTTTCAGTATATAAGTTAAATGCTTTAGCCTTGT 1233
Db 1361 TTTATCCCTCCCTCTGTTGTTGTTTTCAGTATATAAGTTAAATGCTTTAGCCTTGT 1420
Qy 1234 ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCAT 1293
Db 1421 ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCAT 1480
Qy 1294 CAACCCCTCCCATNSACCTAAACAAATCTAATCTTAATTTCTTGAACATGTCAGGNC 1353
Db 1481 CAACCCCTCCCATACACCATCAACAAATCTAATCTTGAATTTCTTGAACATGTCAGGAC 1540
Qy 1354 ATACATTTCTCTCTGCTGAGAGCTCTCTCTGCTCTTAAATCTAGAAATGATGTAA 1413
Db 1541 ATACATTTCTCTCTGCTGAGAGCTCTCTCTGCTCTTAAATCTAGAAATGATGTAA 1600
Qy 1414 AGTTTGAATAAGTTGACTATCTTACTCATGCAAGAGGACACATATGAGATTCATC 1473
Db 1601 AGTTTGAATAAGTTGACTATCTTACTCATGCAAGAGGACACATATGAGATTCATC 1660
Qy 1474 ATCATATGAGACAGCAATACTAAAAGTGAATTTGATATATAAGATTTAGATAATATA 1533
Db 1661 ATCATATGAGACAGCAATACTAAAAGTGAATTTGATATATAAGATTTAGATAATATA 1720
Qy 1534 TGAATGCAAGAKCCACAGAGGGAATGTTTATGGGCGACGTTTGTAAAGCTGGGATGTA 1593
Db 1721 TGAATGCAAGAGCCACAGAGGGAATGTTTATGGGCGACGTTTGTAAAGCTGGGATGTA 1780
Qy 1594 AGMAAGGAGGGAACCTCATAGTATCTTATATAATATACTTCATTTCTCTATCTATC 1653
Db 1781 AGMAAGGAGGGAACCTCATAGTATCTTATATAATATACTTCATTTCTCTATCTATC 1840
Qy 1654 ACAATATCCAACAAGCTTTTACAGAAATTCATGCAAGTGAATTCGCCAAATCCCAAGTAACCTTT 1713
Db 1841 ACAATATCCAACAAGCTTTTACAGAAATTCATGCAAGTGAATTCGCCAAATCCCAAGTAACCTTT 1900
Qy 1714 ATCCATTTTCATGGTGAAGTGGCTTTTAGAATTTTGGCAATCATCTAGTCACTTATCTCA 1773
Db 1901 ATCCATTTTCATGGTGAAGTGGCTTTTAGAATTTTGGCAATCATCTAGTCACTTATCTCA 1960
Qy 1774 ACTTTGAGATGTTTGTCTTGTAGTTAATTTGAAAGAAATAGGCACTCTTTGTGAGCCA 1833
Db 1961 ACTTTGAGATGTTTGTCTTGTAGTTAATTTGAAAGAAATAGGCACTCTTTGTGAGCCA 2020
Qy 1834 CTTTAGGTTTCACTCCTCGCAATAAGATTTTACAAAGA 1872

Db 2021 CTTTAGGTTCACTCTCGCAATAAGAAATTTACAAAGA 2059

RESULT 9

US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Womsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-316

Query Match 94.7%; Score 1772.4; DB 15; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
Qy 94 CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 153
Db 281 CAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340
Qy 154 ATGAGAGATAATTAACATCCTAGAAAAACAGCAAGATGACAAATATATATGCTAAGTAGTGAC 213
Db 341 ATGAGAGATAATTAACATCCTAGAAAAACAGCAAGATGACAAATATATATGCTAAGTAGTGAC 400
Qy 214 ATGTTTTTGCAATTTCCAGCCCCCTTTAAATATCCACACACAGGAGACACAAAGGAA 273
Db 401 ATGTTTTTGCAATTTCCAGCCCCCTTTAAATATCCACACACAGGAGACACAAAGGAA 460
Qy 274 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCGATGAGCTCGCC 333
Db 461 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCGATGAGCTCGCC 520
Qy 334 CTGTGCTGTCCTGTCCTGCTTTGTGAGGGAAGGACATTAGAAAAATGAATGTATGTTCTTAA 393
Db 521 CTGTGCTGTCCTGTCCTGCTTTGTGAGGGAAGGACATTAGAAAAATGAATGTATGTTCTTAA 580
Qy 394 AGGATGGCAGGAAAAACAGATCTCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTG 453
Db 581 AGGATGGCAGGAAAAACAGATCTCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTG 640
Qy 454 AAATGAAGTCAAAAGTGAAGTATACCAATGAGAGGAAAAACAGACGAGAAATCTTGATG 513

Db 641 AANTGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGAGAAAATCTTGATG 700
Qy 514 GCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGATGAGCAGCCAAAGCT 573
Db 701 GCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGATGAGCAGCCAAAGCT 760
Qy 574 GGGGAGAGATACCAAGGGGAGAGGTCAGGATTCGGCCCTGCTGCTAAACHTGTGC 633
Db 761 GGGGAGAGATACCAAGGGGAGAGGTCAGGATTCGGCCCTGCTGCTAAACHTGTGC 820
Qy 634 GTTCATAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA 693
Db 821 GTTCATAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA 880
Qy 694 TCTCTAGGTTCTCTCGGGCCCAACATCTCCATATATCCAGCCACACTCAATTTTAAAT 753
Db 881 TCTCTAGGTTCTCTCGGGCCCAACATCTCCATATATCCAGCCACACTCAATTTTAAAT 940
Qy 754 ATTTAGTTCCTGAGTCTGAGTCTGAGCTTTCTACACTGTAGAAATCAATTAATCTCAATTT 813
Db 941 ATTTAGTTCCTGAGTCTGAGTCTGAGCTTTCTACACTGTAGAAATCAATTAATCTCAATTT 1000
Qy 814 GTTCAAGACCCCTTCGTGTTGCTGCTTAATATGATGCTGACTGTTTCTTCTAAGAGTGT 873
Db 1001 GTTCAAGACCCCTTCGTGTTGCTGCTTAATATGATGCTGACTGTTTCTTCTAAGAGTGT 1060
Qy 874 TCTGGCCCAAGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATA 933
Db 1061 TCTGGCCCAAGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATA 1120
Qy 934 CTCTAGCACACAGCATGATCATTAACGAGTGAATTTCTAATCAACATCATCTCTCACT 993
Db 1121 CTCTAGCACACAGCATGATCATTAACGAGTGAATTTCTAATCAACATCATCTCTCACT 1180
Qy 994 GTCTTTGCCCATCTCAAAATTCATTTCCCATTTTGTGCGCCATTTCTCAAGACCTCAAAAT 1053
Db 1181 GTCTTTGCCCATCTCAAAATTCATTTCCCATTTTGTGCGCCATTTCTCAAGACCTCAAAAT 1240
Qy 1054 GTCAATTCATTAATATCACAGGATTAATCTTTTAAACCTGGGAAGAAATCAATGTGA 1113
Db 1241 GTCAATTCATTAATATCACAGGATTAATCTTTTAAACCTGGGAAGAAATCAATGTGA 1300
Qy 1114 CATGAGCTATGGGAATTAATACATATTTGTTTTCAGTGCAAGATGACTAAGTCC 1173
Db 1301 CATGAGCTATGGGAATTAATACATATTTGTTTTCAGTGCAAGATGACTAAGTCC 1360
Qy 1174 TTTATCCCTCCCTTTGTTGATTTTTCAGATATAAGTTTAAATGCTTAGCCCTGT 1233
Db 1361 TTTATCCCTCCCTTTGTTGATTTTTCAGATATAAGTTTAAATGCTTAGCCCTGT 1420
Qy 1234 ACTGAGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCAACCAT 1293
Db 1421 ACTGAGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCAACCAT 1480
Qy 1294 CAACCCCTCCCATNYSACCTAAACAAATCTAATCTGTAATTCCTTGAACATGTGAGNC 1353
Db 1481 CAACCCCTCCCATNYSACCTAAACAAATCTAATCTGTAATTCCTTGAACATGTGAGNC 1540
Qy 1354 ATACATTTTCTCTGCTGAGAGCTCTTCTGCTCTTAATCTAGAATGATGTA 1413
Db 1541 ATACATTTTCTCTGCTGAGAGCTCTTCTGCTCTTAATCTAGAATGATGTA 1600
Qy 1414 AGTTTGAATAAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGAGATTCATC 1473
Db 1601 AGTTTGAATAAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGAGATTCATC 1660
Qy 1474 ATCAATGAGACAGCAAAATCTAAAGTGTAAATTTGATTAAGAGTTTAGATAAATATA 1533
Db 1661 ATCAATGAGACAGCAAAATCTAAAGTGTAAATTTGATTAAGAGTTTAGATAAATATA 1720
Qy 1534 TGAATGCAAGKCCACAGAGGAATTTTATGGGACGTTTGTAAAGCTGGATGCA 1593
Db 1721 TGAATGCAAGKCCACAGAGGAATTTTATGGGACGTTTGTAAAGCTGGATGCA 1780

Qy 1594 AGAAAGGACAGGAACCTCATATGATCTATATATAATATATATCTTCAATTTCTATCTCTATC 1653
Db 1781 AGCAAGGACAGGAACCTCATATGATCTATATATAATATATATCTTCAATTTCTATCTCTATC 1840
Qy 1654 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCAAGGTAACTTT 1713
Db 1841 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCAAGGTAACTTT 1900
Qy 1714 ATCCATTTTCATGCTGAGTGCCTTTTAGAATTTTGGCAATCATATCTGTCTATCTCA 1773
Db 1901 ATCCATTTTCATGCTGAGTGCCTTTTAGAATTTTGGCAATCATATCTGTCTATCTCA 1960
Qy 1774 ACTTTGAGATGTTTGTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGCCA 1833
Db 1961 ACTTTGAGATGTTTGTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGCCA 2020
Qy 1834 CTTTAGGGTTCACTCTCTGCAATTAAGAAATTTTACAAAGA 1872
Db 2021 CTTTAGGGTTCACTCTCTGCAATTAAGAAATTTTACAAAGA 2059

RESULT 10

US-10-144-678A-690

; Sequence 690, Application US/10144678A

; Publication No. US20030157089A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yugu

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeky, Yasir A. W.

; APPLICANT: Hepler, William T.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals y de Bassols, Carlota

; APPLICANT: Foy, Teresa M.

; APPLICANT: Watanabe, Yoshihiro

; APPLICANT: Deng, Ta

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C28

; CURRENT APPLICATION NUMBER: US/10/144,678A

; CURRENT FILING DATE: 2002-08-12

; NUMBER OF SEQ ID NOS: 1033

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-144-678A-690

Query Match 94.7%; Score 1772.4; DB 16; Length 3923;

Best Local Similarity 99.5%; Pred. No. 0;

Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 94 CAGAGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAA 153

Db 281 CAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340

Qy 154 ATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTTAAGTAGTGAC 213

Db 341 ATGGAGATTAATTAACATCACTAGAAACAGCAAGATGACAATAATAATGTCTAAGTAGTGAC 400
QY 214 ATGTTTTTGGACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCAACAAGAGAA 273
Db 401 ATGTTTTTGGACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCAACAAGAGAA 460
QY 274 GCACAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTCTCGATGAGCCTCGCC 333
Db 461 GCACAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTCTCGATGAGCCTCGCC 520
QY 334 CTGTGCTCGTCCCGTCTGTGGGAGGAGACATTAGAAAATGAATGATGTCTCTTAA 393
Db 521 CTGTGCTCGTCCCGTCTGTGGGAGGAGACATTAGAAAATGAATGATGTCTCTTAA 580
QY 394 AGGATGGGAGGAAACAGATCTGTGTGTGGATATTTTGAACGGGATTAACAGATTG 453
Db 581 AGGATGGGAGGAAACAGATCTGTGTGTGGATATTTTGAACGGGATTAACAGATTG 640
QY 454 AAATGAAGTCACAAGTGAAGTATACCAATGAGAGGAAACAGAGAGAAATCTTTGATG 513
Db 641 AAATGAAGTCACAAGTGAAGTATACCAATGAGAGGAAACAGAGAGAAATCTTTGATG 700
QY 514 GCTTCAACAGATGCAACAAACAAATGGAATACGTGATGACATGAGGAGCCAAAGCT 573
Db 701 GCTTCAACAGATGCAACAAACAAATGGAATACGTGATGACATGAGGAGCCAAAGCT 760
QY 574 GGGGAGGAGATAACCAACGGGAGAGGGTCAAGATTTCTGGCCCTGTCTTAACTGTGC 633
Db 761 GGGGAGGAGATAACCAACGGGAGAGGGTCAAGATTTCTGGCCCTGTCTTAACTGTGC 820
QY 634 GTTCTAACAACAAATCATTTTATATTTCTAACCCCTCAAAAACAAAGCTTTGTATATCTGA 693
Db 821 GTTCTAACAACAAATCATTTTATATTTCTAACCCCTCAAAAACAAAGCTTTGTATATCTGA 880
QY 694 TCTCTACGGTCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAA 753
Db 881 TCTCTACGGTCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAA 940
QY 754 ATTTAGTTCCTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTATTT 813
Db 941 ATTTAGTTCCTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATCTATTT 1000
QY 814 GTTCAAGACCTTCGTGTGTGTGCTGCTAATATGTAGTGAATTTCTTCTTAAAGAGTGT 873
Db 1001 GTTCAAGACCTTCGTGTGTGTGCTGCTAATATGTAGTGAATTTCTTCTTAAAGAGTGT 1060
QY 874 TCTGGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATA 933
Db 1061 TCTGGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATA 1120
QY 934 CTTACTAGCACACAGCATGATCATTAACGGAGTGAATTTATCTAATCAACATCATCTCAGT 993
Db 1121 CTTACTAGCACACAGCATGATCATTAACGGAGTGAATTTATCTAATCAACATCATCTCAGT 1180
QY 994 GTCTTTGCCATCTGAAATTCATTTCCCATTTTGTGCCCATCTTCAAGACCTCAAAAT 1053
Db 1181 GTCTTTGCCATCTGAAATTCATTTCCCATTTTGTGCCCATCTTCAAGACCTCAAAAT 1240
QY 1054 GTCAATTCATTAATATCAAGGATTAACCTTTTAACTGGAAGATTTCAATGTTA 1113
Db 1241 GTCAATTCATTAATATCAAGGATTAACCTTTTAACTGGAAGATTTCAATGTTA 1300
QY 1114 CATGAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1173
Db 1301 CATGAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1360
QY 1174 TTTATCCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAATGCTTTAGCCTTGT 1233
Db 1361 TTTATCCCTCCCTTTGTTGATTTTTCAGATATAAAGTTAAATGCTTTAGCCTTGT 1420
QY 1234 ACTGAGGCTGTATACAGACACGCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCAT 1293

Db 1421 ACTGAGGCTGTATATACAGACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCAT 1480
QY 1294 CAACCCCTCCCATNYSACCTAAACAAAATCTAACTTTGTAATTCCTTTGAACATGTGAGNC 1353
Db 1481 CAACCCCTCCCATNYSACCTAAACAAAATCTAACTTTGTAATTCCTTTGAACATGTGAGNC 1540
QY 1354 ATACATTTTCTCTCTGCTGCTGAGAGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1413
Db 1541 ATACATTTTCTCTCTGCTGCTGAGAGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1600
QY 1414 AGTTTTGTAATGAAGTGAATCTTACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1473
Db 1601 AGTTTTGTAATGAAGTGAATCTTACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1660
QY 1474 ATCATGAGACAGCAAAATCTATAAAGTGAATTTGATTAAGAGTCTTAGATAAATATA 1533
Db 1661 ATCATGAGACAGCAAAATCTATAAAGTGAATTTGATTAAGAGTCTTAGATAAATATA 1720
QY 1534 TGAATGCAAGAKCCACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCTTGGGATGGA 1593
Db 1721 TGAATGCAAGAGCCACAGAGGGAATGTTTATGCGGCACGTTTGTAAAGCTTGGGATGGA 1780
QY 1594 AGMAAGGACAGGAGACCTCATAGTATCTTATATATATATATATCTTCTTCTTCTTCTTCT 1653
Db 1781 AGMAAGGACAGGAGACCTCATAGTATCTTATATATATATATATCTTCTTCTTCTTCTTCT 1840
QY 1654 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGAATTTGCGGCACGTTTGTAAAGCTTGGGATGGA 1713
Db 1841 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGAATTTGCGGCACGTTTGTAAAGCTTGGGATGGA 1900
QY 1714 ATCCATTTCTGAGTGAAGTGGCTTTAGAAATTTTGGCAAAATCATCTGTGTCTTCTTCTTCT 1773
Db 1901 ATCCATTTCTGAGTGAAGTGGCTTTAGAAATTTTGGCAAAATCATCTGTGTCTTCTTCTTCT 1960
QY 1774 ACTTTGAGATGTTTGTGCTTGTAGTGAATTTGAAAGAAATAGGCACTCTTGTGAGCCA 1833
Db 1961 ACTTTGAGATGTTTGTGCTTGTAGTGAATTTGAAAGAAATAGGCACTCTTGTGAGCCA 2020
QY 1834 CTTTAGGGTTCACTCTCGCAATTAAGAAATTTTACAAAGA 1872
Db 2021 CTTTAGGGTTCACTCTCGCAATTAAGAAATTTTACAAAGA 2059

RESULT 11

US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690

Query Match 94.7%; Score 1772.4; DB 16; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
QY 94 CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCTTCTGAGGCCACACATCTGCTGAA 153
Db 281 CAGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCTTCTGAGGCCACACATCTGCTGAA 340
QY 154 ATGAGATTAATTAACATCACTAGAAAACAGCAAGATGACATATATATGTCTAAGTAGTAC 213


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; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match      92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred: No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY  92  TACAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 151
Db  1307  TAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 1366

QY  152  AAATGAGAGATAAATAACATCACTAGAAAACAGCAAGATGACAATAATAATCTCTAAAGTAGTG 211
Db  1367  AAATGAGAGATAAATAACATCACTAGAAAACAGCAAGATGACAATAATAATCTCTAAAGTAGTG 1426

QY  212  ACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCAGCAAAAGG 271
Db  1427  ACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCAGCAAAAGG 1486

QY  272  AAGCAGAGATCCCTGGGAGAAATGCGCGGCCCATCTTGGGTGATCGATGAGCCTCG 331
Db  1487  AAGCAGAGATCCCTGGGAGAAATGCGCGGCCCATCTTGGGTGATCGATGAGCCTCG 1546

QY  332  CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 391
Db  1547  CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1606

QY  392  AAAGGATGGCAGGAAACAGATCTCTGTTGTGGATATTTATTTGAACGGGATTCAGATT 451
Db  1607  AAAGGATGGCAGGAAACAGATCTCTGTTGTGGATATTTATTTGAACGGGATTCAGATT 1666

QY  452  TGAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACAGACAGAGAAATCTTGA 511
Db  1667  TGAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACAGACAGAGAAATCTTGA 1726

QY  512  TGGCTTCAAGACATGCAACAAACAAATGGAATACCTGTGTGATGATGAGGAGCCCAAG 571
Db  1727  TGGCTTCAAGACATGCAACAAACAAATGGAATACCTGTGTGATGATGAGGAGCCCAAG 1786

QY  572  CTGGGGAGAGATACCCAGGGGAGAGGTCAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTG 631
Db  1787  CTGGGGAGAGATACCCAGGGGAGAGGTCAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTG 1846

QY  632  GGGTTTCATAACCAATCATTTTCATATTTCTAACCTTCAAAACAAAGCTGTTGTAATATCT 691
Db  1847  GGGTTTCATAACCAATCATTTTCATATTTCTAACCTTCAAAACAAAGCTGTTGTAATATCT 1906

QY  692  GATCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 751
Db  1907  GATCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 1966

QY  752  ATATTAGTTCAGATCTGTAAGTCTGACCTTTTACACTGTAGATAACATTACTCATTT 811
Db  1967  ATATTAGTTCAGATCTGTAAGTCTGACCTTTTACACTGTAGATAACATTACTCATTT 2026

QY  812  TTGTTTCAAGAGCCCTTGGTTGCTGCTTAATATGTAGTGTGCTGTTTTCCTAAGGAGT 871
Db  2027  TTGTTTCAAGAGCCCTTGGTTGCTGCTTAATATGTAGTGTGCTGTTTTCCTAAGGAGT 2086

QY  872  GTTCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTA 931
Db  2087  GTTCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTA 2146

QY  932  TACTTACTAGCACACAGCATGATCATTAAGGAGTGAATATATCAATCAATCACTCCCTCA 991
Db  2147  TACTTACTAGCACACAGCATGATCATTAAGGAGTGAATATATCAATCAATCACTCCCTCA 2206

QY  992  GTGCTCTTGGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATCTTCAAGACCTCAAA 1051
Db  2207  GTGCTCTTGGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATCTTCAAGACCTCAAA 2266
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RESULT 13

US-09-780-669-468

; Sequence 468, Application US/09780669

; Patent No. US2002005197A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

1052 ATGTCATTCCATTAAATATACAGAGTAATCACTTTTTTTTTTAACTGGAAGAAATCAATGT 1111

2267 ATGTCATTCCATTAAATATACAGAGTAATCACTTTTTTTTTTAACTGGAAGAAATCAATGT 2326

1112 TACATGAGCTATGGGAATTTAAATACATATTTGTTTTCCAGTCAAGATGACTAAGT 1171

2327 TACATGAGCTATGGGAATTTAAATACATATTTGTTTTCCAGTCAAGATGACTAAGT 2386

1172 CCTTTATCCCTCCCTTTGTTGTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTT 1231

2387 CCTTTATCCCTCCCTTTGTTGTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTT 2446

1232 GTACTGAGGCTGTATACAG-CACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCTATCAC 1290

2447 GTACTGAGGCTGTATACAGCAGCAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCTATCAC 2506

1291 CATCAACCCCTCCCATNYSACCTAAACAAATCTAACCTTTGTAATTCCTTGAACATGTGAG 1350

2507 CATCAACCCCTCCCATG-CACCTAAACAAATCTAACCTTTGTAATTCCTTGAACATGTGAG 2565

1351 GNCATACATTTTCTCTGCTGAGAGGCTCTTCTTGTCTCTTAAATCTAGAAATGATG 1410

2566 G-CATACATTAATCTTCTGCTGAGAGGCTCTTCTTGTCTCTTAAATCTAGAAATGATG 2624

1411 TAAAGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAAAGGAGGACATATGAGATTC 1470

2625 TAAAGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAAAGGAGGACATATGAGATTC 2684

1471 ATCATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTATAGAGTTTAGATAAT 1530

2685 ATCATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTATAGAGTTTAGATAAT 2744

1531 ATATGAATGCAAGACACACAGAGGAAATGTTTATGGGGCACGTTTGTAAAGCCTGGGATG 1590

2745 ATATGAATGCAAGACACACAGAGGAAATGTTTATGGGGCACGTTTGTAAAGCCTGGGATG 2804

1591 TGAAGMAAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCACTTTCTTATCTCT 1650

2805 TGAAGMAAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCACTTTCTTATCTCT 2864

1651 ATCAATATCCAAACAGCTTTTTCACAGAAATCATGAGTGCATCCCAAGGTAAACC 1710

2865 ATCAATATCCAAACAGCTTTTTCACAGAAATCATGAGTGCATCCCAAGGTAAACC 2924

1711 TTTATCCATTTTCATGGTGAGTGGCTTTAGAAATTTTGGCAATCATACTGGTCACTTATC 1770

2925 TTTATCCATTTTCATGGTGAGTGGCTTTAGAAATTTTGGCAATCATACTGGTCACTTATC 2984

1771 TCAACTTTGAGATGTTTTGCTTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAG 1830

2985 TCAACTTTGAGATGTTTTGCTTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAG 3044

1831 CCACCTTAGGTTCACTCTCGCAATTAAGAAATTTTACAAAGA 1872

3045 CCACCTTAGGTTCACTCTCGCAATTAAGAAATTTTACAAAGA 3086

RESULT 14

US-09-822-827-468
; Sequence 468, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-468

Query Match 92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;
QY 92 TACAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB |||
QY 152 AAATGAGATTAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTG 211
DB |||
QY 1367 AAATGAGATTAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTG 1426
QY 212 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATATCCACACACAGGAAGCACAAAAGG 271
DB 1427 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATATCCACACACAGGAAGCACAAAAGG 1486
QY 272 AAGCAGAGATCCCTGGAGAAATAGCCCGCGCCGCACTTTGGGTATCGATGAGCCTCG 331
DB 1487 AAGCAGAGATCCCTGGAGAAATAGCCCGCGCCGCACTTTGGGTATCGATGAGCCTCG 1546
QY 332 CCTGTGCTGCTGCCGCTTGTGAGGAGGACATAGAAATGAATGATGTTGCTT 391
DB 1547 CCTGTGCTGCTGCCGCTTGTGAGGAGGACATAGAAATGAATGATGTTGCTT 1606
QY 392 AAAGGATGGCAGGAGAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTCAGATTT 451
DB 1607 AAAGGATGGCAGGAGAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTCAGATTT 1666
QY 452 TGAATATGAATCACAAGTGACATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGA 511
DB 1667 TGAATATGAATCACAAGTGACATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGA 1726
QY 512 TGGCTTTCAAGACATGCAACAAACAAATGGAATCTGTGATGATCATGAGCGACGCCAAG 571
DB 1727 TGGCTTTCAAGACATGCAACAAACAAATGGAATCTGTGATGATCATGAGCGACGCCAAG 1786
QY 572 CTGGGAGGAGATAACCAAGGCGCAGAGGCTCAGGATTTCTGCGCTGTGCTGCTAAACTGT 631
DB 1787 CTGGGAGGAGATAACCAAGGCGCAGAGGCTCAGGATTTCTGCGCTGTGCTGCTAACTGT 1846
QY 632 GGGTTTCATAACCAATTCATTTTCAATTTCTAACCTCTAAACAAAGAGCTGTTGTAATATCT 691
DB 1847 GGGTTTCATAACCAATTCATTTTCTAACCTCTAAACCAAGAGCTGTTGTAATATCT 1906
QY 692 GATCTCTAGGTTCTCTGGGCCCAACATTTCTCATATATATCCAGCCACACTCATTTTGA 751
DB 1907 GATCTCTAGGTTCTCTGGGCCCAACATTTCTCATATATATCCAGCCACACTCATTTTGA 1966
QY 752 ATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAACATTAATCTCATTT 811
DB 1967 ATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAACATTAATCTCATTT 2026
QY 812 TTGTTCAAAGACCCCTTCGTGTTGCTGCCTAAATATGTAGCTGACTGTTTTTCTTAAGGAGT 871

RESULT 15

DB 2027 TTGTTCAAAGACCCCTTCGTGTTGCTGCTAAATATGTAGCTGACTGTTTTTCTTAAGGAGT 2086
QY 872 GTTCTGGCCCGAGGGATCTGTGAACAGGCTGGAGCATCTCAAGATCTTTTCCAGGGTTA 931
DB 2087 GTTCTGGCCCGAGGGATCTGTGAACAGGCTGGAGCATCTCAAGATCTTTTCCAGGGTTA 2146
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DB 2147 TACTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCATCTCA 2206
QY 992 GTGCTTTGGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCCATCTCAAGACCTCAA 1051
DB 2207 GTGCTTTGGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCCATCTCAAGACCTCAA 2266
QY 1052 ATGTCATTTCCATTAATATATACAGGATTAACCTTTTTTTTAACTCTGGAAGAAATCAATGT 1111
DB 2267 ATGTCATTTCCATTAATATATACAGGATTAACCTTTTTTTTAACTCTGGAAGAAATCAATGT 2326
QY 1112 TACATGCAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAGAGATGACTAAGT 1171
DB 2327 TACATGCAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAGAGATGACTAAGT 2386
QY 1172 CCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAAATGCTTAGCCTT 1231
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QY 1232 GTACTGAGGCTGTATACAG-CACAGCCCTCCCCATCCCTCCAGCTTATCTGTCATCAC 1290
DB 2447 GTACTGAGGCTGTATACAGCCACAGCCCTCTCCCATCCCTCCAGCTTATCTGTCATCAC 2506
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DB 2507 CATCAACCCCTCCCATG-CACCTAAAACAAAATCTAACTTTGTAATTCCTTGAACATGTGAG 2565
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DB 2566 G-CATACATTAATCTGCTGCTGAGAAAGCTCTTCTGCTCTCTTAAATCTAGAATGATG 2624
QY 1411 TAAAGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGGAAGGACACATATGAGATTC 1470
DB 2625 TAAAGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGGAAGGACACATATGAGATTC 2684
QY 1471 ATCATCATGAGACAGCAAAATACTAAAAGTGAATTTGATTATAAGAGTTTAGATAAAT 1530
DB 2685 ATCATCATGAGACAGCAAAATACTAAAAGTGAATTTGATTATAAGAGTTTAGATAAAT 2744
QY 1531 ATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGCAAGCTTGTAAAGCCTGGGATG 1590
DB 2745 ATATGAATGCAAGKCCACAGAGGGAATGTTTATGGGCAAGCTTGTAAAGCCTGGGATG 2804
QY 1591 TGAAGMAAGGCGAGGAACCTCATAGTATCTTATATATATATCTTCTTCTTCTATCTCT 1650
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DB 2925 TTTATCCATTTTCATGAGTGCGCTTTAGAAATTTTGGCAATCATACTGCTCACTTATC 2984
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QY 1831 CCACCTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 1872
DB 3045 CCACCTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 3086


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US-09-895-793-468
; Sequence 468, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuyu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-468

Query Match          92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY 92 TACAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
QY 152 AAATGGAGATATTAAATCACTAGTAAACAGCAAGATGACATATATCTTAAGTAGTG 211
DB 1367 AAATGGAGATATTAAATCACTAGTAAACAGCAAGATGACATATATCTTAAGTAGTG 1426
QY 212 ACATGTTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCACAAAAGG 271
DB 1427 ACATGTTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCACAAAAGG 1486
QY 272 AAGCAGAGATCCCTGGAGAAATCCCGGGCCCATCTTGGGTATCGATGAGCCTCG 331
DB 1487 AAGCAGAGATCCCTGGAGAAATCCCGGGCCCATCTTGGGTATCGATGAGCCTCG 1546
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QY 392 AAAGGATGGCAGGAAACAGATCTCTGTTGTGGATATTTTATTTGAACGGGATTAACAGATT 451
DB 1607 AAAGGATGGCAGGAAACAGATCTCTGTTGTGGATATTTTATTTGAACGGGATTAACAGATT 1666
QY 452 TGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGA 511
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QY 512 TGGCTTCAACAGCATGCAACAAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATG 571
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QY 632 GCGTTCAATACCAATATTCATATTTCTAACCCCTCAAAACAAAGAGCTGTTGTAATATCT 691
DB 1847 GCGTTCAATACCAATATTCATATTTCTAACCCCTCAAAACAAAGAGCTGTTGTAATATCT 1906
QY 692 GATCTCTACGGTTCTTCTGGGCCCAACATCTCCATATATCCAGCCACACATCTATTTTA 751
DB 1907 GATCTCTACGGTTCTTCTGGGCCCAACATCTCCATATATCCAGCCACACATCTATTTTA 1966
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DB 1967 ATATTTAGTTCACAGATCTGTACTGTGACCTTTTACACTGTAGATAATACATTTACTCATTT 2026
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DB 2087 GTTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTA 2146
QY 932 TACTTACTAGCACACAGCATGATCAATAGGAGTGAATTTATCTAATCAACATCATCTCTCA 991
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DB 2327 TACATGAGCTATGGGAATTTAAATTTTACATATTTTGTTCAGTGCAGAAAGATGACTAAGT 2386
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DB 2387 CTTTATCTCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTTAAATGCTTAGCCCTT 2446
QY 1232 GTACTGAGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCATC 1290
DB 2447 GTACTGAGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCATC 2506
QY 1291 CATCAACCCCTCCCATNYSACCTAAACAAATCTAACTTTGTAATTCCTTTGAACATGTCAG 1350
DB 2507 CATCAACCCCTCCCATG-CACCTAAACAAATCTAACTTTGTAATTCCTTTGAACATGTCAG 2565
QY 1351 GNCATACATTTTCTTCTGCTGAGAGCTTCTTCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCT 1410
DB 2566 G-CATACATTTTCTTCTGCTGAGAGCTTCTTCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCT 2624
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DB 2745 ATATGAATGCAAGAGCCACAGAGGAAATGTTTATGGGCCAGCTTTTGAAGCCTGGGATG 2804
QY 1591 TGAAGAAAGGAGGAGGAAACCTCATAGTATCTTATATAATATATCTTCTTCTTCTTCTTCTTCT 1650
DB 2805 TGAAGAAAGGAGGAGGAAACCTCATAGTATCTTATATAATATATCTTCTTCTTCTTCTTCTTCT 2864
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QY 1651 ATCAAAATATCCAACAAGCTTTTTCACAGAAATTCATGCAAGTGCAAAATCCCCAAAGGTAACC 1710
|||
Db 2865 ATCAAAATATCCAACAAGCTTTTTCACAGAAATTCATGCAAGTGCAAAATCCCCAAAGGTAACC 2924
|||
QY 1711 TTTATCCATTTTCATGGTGAGTGGCTTTTAGAAATTTTGGCAATCATACTGGTCACCTTATC 1770
|||
Db 2925 TTTATCCATTTTCATGGTGAGTGGCTTTTAGAAATTTTGGCAATCATACTGGTCACCTTATC 2984
|||
QY 1771 TCAACTTTTGAGATGTGTTTGTCTTGTAGTAAATGAAAGAAATAGGGCACTCTTGTGAG 1830
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Db 2985 TCAACTTTTGAGATGTGTTTGTCTTGTAGTAAATGAAAGAAATAGGGCACTCTTGTGAG 3044
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QY 1831 CCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTTACAAAGA 1872
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Db 3045 CCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTTACAAAGA 3086
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Search completed: August 23, 2005, 20:52:44
Job time : 2196.17 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	21.6	1.2	47	4	US-09-422-978-2855	Sequence 2855, Ap	
2	21.2	1.1	47	3	US-09-345-882-63	Sequence 63, Appli	
3	21	1.1	50	4	US-09-554-929-3	Sequence 3, Appli	
C	4	20.8	1.1	47	US-09-422-978-3012	Sequence 3012, Ap	
	5	20.8	1.1	47	US-09-422-978-3116	Sequence 3116, Ap	
6	20.4	1.1	47	4	US-09-422-978-1035	Sequence 1035, Ap	
C	7	20.4	1.1	49	US-08-379-928A-5	Sequence 5, Appli	
	8	20.2	1.1	47	US-09-422-978-71	Sequence 71, Appli	
9	20.2	1.1	48	3	US-08-853-217-24	Sequence 24, Appli	
10	20.2	1.1	48	3	US-09-636-735A-6	Sequence 6, Appli	
11	20	1.1	47	4	US-09-422-978-2561	Sequence 2561, Ap	
12	20	1.1	47	4	US-09-422-978-3692	Sequence 3692, Ap	
13	19.8	1.1	49	4	US-09-866-028-89	Sequence 89, Appli	
14	19.8	1.1	49	4	US-09-944-457-89	Sequence 89, Appli	
15	19.8	1.1	50	4	US-09-554-929-42	Sequence 42, Appli	
16	19.6	1.0	47	3	US-09-345-882-42	Sequence 42, Appli	
17	19.6	1.0	47	4	US-09-422-978-523	Sequence 523, App	
18	19.6	1.0	47	4	US-09-422-978-790	Sequence 790, App	
19	19.6	1.0	47	4	US-09-422-978-884	Sequence 884, App	
20	19.6	1.0	47	4	US-09-422-978-3643	Sequence 3643, Ap	
21	19.6	1.0	50	1	US-08-088-658-46	Sequence 46, Appli	
22	19.6	1.0	50	2	US-08-471-907A-46	Sequence 46, Appli	
23	19.6	1.0	50	4	US-09-849-069-18	Sequence 18, Appli	
24	19.6	1.0	50	4	US-09-442-054A-46	Sequence 46, Appli	
C	25	19.6	1.0	50	4	US-09-442-054A-77	Sequence 77, Appli
	26	19.4	1.0	47	4	US-09-422-978-1976	Sequence 1976, Ap
27	19.4	1.0	47	4	US-09-422-978-3702	Sequence 3702, Ap	

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; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 63
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 1..47
; OTHER INFORMATION: polymorphic fragment 5-140-120, variant version of SEQ ID42
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: base T ; C in SEQ ID42
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..23
; OTHER INFORMATION: potential microsequencing oligo 5-140-120.mis1
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 25..47
; OTHER INFORMATION: complement potential microsequencing oligo 5-140-120.mis2
US-09-345-882-63

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Query Match      1.1%; Score 21.2; DB 3; Length 47;
Best Local Similarity 69.0%; Pred. No. 1.9e+04;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

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```

QY 1064 TAATATCAGGATTAACCTTTTTTTTAACTCGGAAGAATT 1105
DB 6 TCATAAATTACGACATACCTTTTCTTAACCTAGATAAAT 47

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RESULT 3
US-09-554-929-3
; Sequence 3, Application US/09554929
; Patent No. 6521427
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; TITLE OF INVENTION: A Method for the Complete Chemical
; FILE REFERENCE: P-EA 4749
; CURRENT APPLICATION NUMBER: US/09/554,929
; CURRENT FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 193
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-554-929-3

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Query Match      1.1%; Score 21; DB 4; Length 50;
Best Local Similarity 66.7%; Pred. No. 2.3e+04;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

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QY 1499 AAATACTAAAGTGTAATTGTATTAAGAGTTTAGATAAATATA 1533
DB 5 AAAAAATGAATTTGAAATGAATTTAGAAATTCGCTTAATAATAA 49

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RESULT 4
US-09-422-978-3012/c
; Sequence 3012, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta

```

```

; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET 020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3012
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-21666-96 : polymorphic base C or A
US-09-422-978-3012

```

```

Query Match      1.1%; Score 20.8; DB 4; Length 47;
Best Local Similarity 70.0%; Pred. No. 2.5e+04;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

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QY 252 CACACAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGA 291
DB 41 CTCCTAAGGAGCACACAGKGGCACCAGAAATTTCTGGCA 2

```

```

RESULT 5
US-09-422-978-3116
; Sequence 3116, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET 020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3116
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-23696-164 : polymorphic base C or T
US-09-422-978-3116

```

```

Query Match      1.1%; Score 20.8; DB 4; Length 47;
Best Local Similarity 62.2%; Pred. No. 2.5e+04;
Matches 28; Conservative 2; Mismatches 15; Indels 0; Gaps 0;

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```

QY 1287 TCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAATTGT 1331
DB 2 TCTCATCCACCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 46

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RESULT 6
US-09-422-978-1035
; Sequence 1035, Application US/09422978
; Patent No. 6537751

```

```
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 1035
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-1944-379 : polymorphic base C or T
US-09-422-978-1035

Query Match 1.1%; Score 20.4; DB 4; Length 47;
Best Local Similarity 67.5%; Pred. No. 3.4e+04;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1012 ATTCAATTCCTCCACTTTGTGCCATTCTCAAGACCTCAAA 1051
DB 8 AGTCATTTAACACTTGTGTGTAATTAATTAAATAGCAAAA 47

RESULT 7
US-09-379-926A-5/c
; Sequence 5, Application US/08379926A
; Patent No. 5783414
; GENERAL INFORMATION:
; APPLICANT: CARREZ, DIRK
; APPLICANT: ROOS, JOEL
; TITLE OF INVENTION: EXPRESSION SYSTEM, INTEGRATION
; TITLE OF INVENTION: VECTOR
; TITLE OF INVENTION: AND CELL TRANSFORMED BY THIS INTEGRATION VECTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSER: OBLON, SPIVAK, MCCLELLAND, MAIER &
; ADDRESSER: NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,926A
; FILING DATE: 27-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09400102
; FILING DATE: 28-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09400586
; FILING DATE: 17-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09500014
; FILING DATE: 09-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F
```

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; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 3987-13-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic oligonucleotide"
US-08-379-926A-5

Query Match 1.1%; Score 20.4; DB 1; Length 49;
Best Local Similarity 71.1%; Pred. No. 3.4e+04;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 544 AATACTGTGATGACATGAGCGCAGCCAAAGCTGGGGAGGA 581
DB 47 ATTGCTGAGGTGTAATGATGCGCGCGCTGGGGATGA 10

RESULT 8
US-09-422-978-71
; Sequence 71, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 71
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-12668-329 : polymorphic base C or T
US-09-422-978-71

Query Match 1.1%; Score 20.2; DB 4; Length 47;
Best Local Similarity 65.1%; Pred. No. 3.9e+04;
Matches 28; Conservative 1; Mismatches 14; Indels 0; Gaps 0;

QY 1827 TGAGCCACTTTAGGCTTCACCTCGCAATAAAGAAATTACAA 1869
DB 3 TCACCCCTCAGCAGATTTTCAGTCTGTGTCACAAAGAAATTCCAA 45

RESULT 9
US-08-853-217-24
; Sequence 24, Application US/08853217
; Patent No. 5942395
; GENERAL INFORMATION:
; APPLICANT: Fournier, Maurille J.
; APPLICANT: Samarsky, Dmitry A.
; APPLICANT: Reybeyre, Gerardo
; APPLICANT: Cedergren, Robert
; TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE
```

; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: US
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows95
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/853,217
 ; FILING DATE: 09-MAY-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Fasse, Peter J.
 ; REGISTRATION NUMBER: 32,983
 ; REFERENCE/DOCKET NUMBER: 07880/034001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-5070
 ; TELEFAX: 617/542-8906
 ; TELEX: 200154
 ; INFORMATION FOR SEQ ID NO: 24:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 48 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA
 ; US-08-853-217-24

Query Match 1.1%; Score 20.2; DB 2; Length 48;
 Best Local Similarity 68.3%; Pred. No. 3.9e+04;
 Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 486 GAGGAAACACAGAGAAATCTTGATGGCTTCACAGACA 526
 DB 1 GTGAGAAACCGCGCGATGATCTTGATGGTACAAATGGCA 41

RESULT 10
 US-09-636-735A-6
 ; Sequence 6, Application US/09636735A
 ; Patent No. 6416956
 ; GENERAL INFORMATION:
 ; APPLICANT: Berg, Patricia
 ; TITLE OF INVENTION: No. 6416956el Transcription Factor, BPI
 ; FILE REFERENCE: 179.37405X00
 ; CURRENT APPLICATION NUMBER: US/09/636,735A
 ; CURRENT FILING DATE: 2000-08-11
 ; NUMBER OF SEQ ID NOS: 25
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 6
 ; LENGTH: 48
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1)..(48)
 ; OTHER INFORMATION: synthesized oligonucleotide
 ; US-09-636-735A-6

Query Match 1.1%; Score 20.2; DB 3; Length 48;
 Best Local Similarity 68.3%; Pred. No. 3.9e+04;
 Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 414 TCCTGTTGGGATTTATTTCGACGGGATTACAGATTGA 454

DB 2 TCCTTTAATGGATTTATTTCATATAATAAAAAATTAGA 42

RESULT 11

US-09-422-978-2561/C
 ; Sequence 2561, Application US/09422978
 ; Patent No. 6537751
 ; GENERAL INFORMATION:
 ; APPLICANT: Cohen, Daniel
 ; APPLICANT: Blumenfeld, Marta
 ; APPLICANT: Chumakov, Ilya
 ; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
 ; FILE REFERENCE: GENSET.020CPI
 ; CURRENT APPLICATION NUMBER: US/09/422,978
 ; CURRENT FILING DATE: 1999-10-20
 ; EARLIER APPLICATION NUMBER: US 09/298,850
 ; EARLIER FILING DATE: 1999-04-21
 ; EARLIER APPLICATION NUMBER: US 60/109,732
 ; EARLIER FILING DATE: 1998-11-23
 ; EARLIER APPLICATION NUMBER: US 60/082,614
 ; EARLIER FILING DATE: 1998-04-21
 ; NUMBER OF SEQ ID NOS: 11796
 ; SEQ ID NO 2561
 ; LENGTH: 47
 ; TYPE: DNA
 ; ORGANISM: Homo Sapiens
 ; FEATURE:
 ; NAME/KEY: allele
 ; LOCATION: 24
 ; OTHER INFORMATION: 99-11824-90 : polymorphic base T or A
 ; US-09-422-978-2561

Query Match 1.1%; Score 20; DB 4; Length 47;
 Best Local Similarity 63.0%; Pred. No. 4.4e+04;
 Matches 29; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

QY 727 ATATATCCAGCCACACTCATTTTAAATATTAGTCCAGATCTGT 772
 DB 47 AACATACAGTTAAGCTTTTTTWWAAATTTACTCTGCAGACCTCT 2

RESULT 12

US-09-422-978-3692
 ; Sequence 3692, Application US/09422978
 ; Patent No. 6537751
 ; GENERAL INFORMATION:
 ; APPLICANT: Cohen, Daniel
 ; APPLICANT: Blumenfeld, Marta
 ; APPLICANT: Chumakov, Ilya
 ; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
 ; FILE REFERENCE: GENSET.020CPI
 ; CURRENT APPLICATION NUMBER: US/09/422,978
 ; CURRENT FILING DATE: 1999-10-20
 ; EARLIER APPLICATION NUMBER: US 09/298,850
 ; EARLIER FILING DATE: 1999-04-21
 ; EARLIER APPLICATION NUMBER: US 60/109,732
 ; EARLIER FILING DATE: 1998-11-23
 ; EARLIER APPLICATION NUMBER: US 60/082,614
 ; EARLIER FILING DATE: 1998-04-21
 ; NUMBER OF SEQ ID NOS: 11796
 ; SEQ ID NO 3692
 ; LENGTH: 47
 ; TYPE: DNA
 ; ORGANISM: Homo Sapiens
 ; FEATURE:
 ; NAME/KEY: allele
 ; LOCATION: 24
 ; OTHER INFORMATION: 99-9765-237 : polymorphic base A or G
 ; US-09-422-978-3692

Query Match 1.1%; Score 20; DB 4; Length 47;
 Best Local Similarity 68.4%; Pred. No. 4.4e+04;


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/ / PRIOR APPLICATION NUMBER: PCT/US00/14042
/ / PRIOR FILING DATE: May 22, 2000
/ / PRIOR APPLICATION NUMBER: PCT/US00/20710
/ / PRIOR FILING DATE: July 28, 2000
/ / PRIOR APPLICATION NUMBER: PCT/US00/32678
/ / PRIOR FILING DATE: December 1, 2000
/ / PRIOR APPLICATION NUMBER: PCT/US01/06520
/ / PRIOR FILING DATE: February 28, 2001
/ / NUMBER OF SEQ ID NOS: 120
/ / SEQ ID NO 89
/ / LENGTH: 49
/ / TYPE: DNA
/ / ORGANISM: Artificial Sequence
/ / FEATURE:
/ / OTHER INFORMATION: Synthetic oligonucleotide
US-09-944-457-89

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Query Match 1.1%; Score 19.8; DB 4; Length 49;
Best Local Similarity 63.8%; Pred. No. 5.2e+04;
Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Oy 918 TCTTTCCAGGTTATACTTACTAGCACACAGCATGATCATTCGGAG 964
|||||
Dd 48 TCTTTTTGAGCAATTCTGACTAGCAGACAGCCTTAGTGTCAGGAAG 2

RESULT 15

```

US-09-554-929-42/c
; Sequence 42, Application US/09554929
; Patent No. 6521427
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; TITLE OF INVENTION: A Method for the Complete Chemical
; TITLE OF INVENTION: Synthesis and Assembly of Genes and Genomes
; FILE REFERENCE: P-EA 4749
; CURRENT APPLICATION NUMBER: US/09/554,929
; CURRENT FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 193
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-554-929-42

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Query Match	1.1%	Score 19.8;	DB 4;	Length 50;
Best Local Similarity	69.2%;	Pred. No. 5.3e+04;		
Matches 27; Conservative	12;	Mismatches 0;	Indels 0;	Gaps 0;

Qy 1615 AGTATCTTTATATAATATACTTCATTCTCTATCTCTATC 1653
| | | | | | | | | | | | | | | |
Dd 46 ATTCTCTCAATAATGCGAGTAATTTTTTTCATCTCTGTG 8

Search completed: August 24, 2005, 09:57:45
Job time : 408.466 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 1937.55 Seconds
(without alignments)
6277.132 Million cell updates/sec

Title: US-09-402-713C-3
Perfect score: 1872
Sequence: 1 agaagtcgcatcagaaaa.....caataagaattacaaga 1872

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:
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8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:
9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:
18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq:
19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq:
20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq:
21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:
22: /cgn2_6/ptodata/2/pubpna/US10J_PUBCOMB.seq:
23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:
24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	50	2.7	50	10	US-09-996-953-4 Sequence 4, Appli
c 2	50	2.7	50	24	US-11-085-060-4 Sequence 4, Appli
c 3	40	2.1	40	22	US-10-880-425A-14 Sequence 14, Appl
c 4	34	1.8	34	22	US-10-880-425A-28 Sequence 28, Appl
c 5	33	1.8	33	22	US-10-880-425A-35 Sequence 35, Appl
c 6	31	1.7	31	22	US-10-880-425A-32 Sequence 32, Appl
c 7	30	1.6	30	22	US-10-880-425A-13 Sequence 13, Appl

c	8	28.8	1.5	50	22	US-10-880-425A-36	Sequence 36, Appl
	9	28.4	1.5	38	22	US-10-880-425A-31	Sequence 31, Appl
	10	26.4	1.4	30	22	US-10-880-425A-15	Sequence 15, Appl
	11	26	1.4	26	10	US-09-957-708-40	Sequence 40, Appl
c	12	26	1.4	26	22	US-10-880-425A-40	Sequence 40, Appl
c	13	25.2	1.3	48	10	US-09-927-046-5039	Sequence 5039, Ap
c	14	25	1.3	25	10	US-09-957-708-39	Sequence 39, Appl
	15	24	1.3	24	22	US-10-880-425A-25	Sequence 25, Appl
	16	23	1.2	23	22	US-10-880-425A-26	Sequence 26, Appl
c	17	23	1.2	23	22	US-10-880-425A-38	Sequence 38, Appl
	18	22.6	1.2	37	22	US-10-029-345A-141	Sequence 141, App
	19	22.6	1.2	43	21	US-10-741-849-14	Sequence 14, Appl
c	20	22	1.2	22	10	US-09-996-953-2	Sequence 2, Appli
	21	22	1.2	22	22	US-10-880-425A-46	Sequence 46, Appl
c	22	22	1.2	22	24	US-11-085-060-2	Sequence 2, Appli
c	23	22	1.2	49	20	US-10-332-522A-89	Sequence 89, Appl
	24	21.6	1.2	47	17	US-10-349-143-2855	Sequence 2855, Ap
c	25	21.6	1.2	50	16	US-10-032-585-2037	Sequence 2037, Ap
c	26	21.4	1.1	32	18	US-10-270-176-68	Sequence 68, Appl
c	27	21.4	1.1	48	10	US-09-927-046-5025	Sequence 5025, Ap
	28	21.2	1.1	47	15	US-10-071-179-63	Sequence 63, Appl
	29	21.2	1.1	47	16	US-10-126-704-63	Sequence 63, Appl
c	30	21.2	1.1	50	17	US-10-131-827-2839	Sequence 2839, Ap
c	31	21.2	1.1	50	17	US-10-131-827-4348	Sequence 4348, Ap
c	32	21.2	1.1	50	17	US-10-131-827-6033	Sequence 6033, Ap
c	33	21.2	1.1	50	17	US-10-131-827-6331	Sequence 27, Appl
	34	21	1.1	21	22	US-10-880-425A-27	Sequence 27, Appl
	35	21	1.1	21	22	US-10-880-425A-43	Sequence 43, Appl
	36	21	1.1	37	22	US-10-029-345A-105	Sequence 105, App
	37	21	1.1	37	22	US-10-029-345A-137	Sequence 137, App
c	38	21	1.1	40	20	US-10-469-851-190	Sequence 190, App
	39	21	1.1	50	16	US-10-322-360-3	Sequence 3, Appli
c	40	21	1.1	50	17	US-10-131-827-503	Sequence 503, App
c	41	21	1.1	50	17	US-10-131-827-7917	Sequence 7917, Ap
c	42	20.8	1.1	47	17	US-10-349-143-3012	Sequence 3012, Ap
c	43	20.8	1.1	47	17	US-10-349-143-3116	Sequence 3116, Ap
c	44	20.8	1.1	47	18	US-10-333-429-18	Sequence 18, Appl
	45	20.6	1.1	40	20	US-10-469-851-189	Sequence 189, App

ALIGNMENTS

RESULT 1
US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Russemmakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; TITLE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.0100000
; CURRENT APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

Query Match 2.7%; Score 50; DB 10; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.0038; Indels 0; Gaps 0;
Matches 50; Conservative 0; Mismatches 0;

Qy 33 TTGTGTGGCTGCAGCGAGGGAGACCAGGAAGATCTGCATGGTGGGAAGG 82
|||
Db 50 TTGTGTGGCTGCAGCGAGGGAGACCAGGAAGATCTGCATGGTGGGAAGG 1

Db 1 GGAGGACAAAAGGAGACACAGAGATCCCTGGG 33

RESULT 6

US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match 1.7%; Score 31; DB 22; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 262 GCACAAAGGAGACACAGAGATCCCTGGGGAG 292

Db 1 GCACAAAGGAGACACAGAGATCCCTGGGGAG 31

RESULT 7

US-10-880-425A-13
; Sequence 13, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 1.6%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

RESULT 8

US-10-880-425A-36/c
; Sequence 36, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36

Query Match 1.5%; Score 28.8; DB 22; Length 50;
Best Local Similarity 93.8%; Pred. No. 2e+03;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 306 CCATCTTGGTCATCGATGAGCCTGCCCTGT 337

Db 50 CCATCTTGGTCATCGATGAGCCTGCCCTAT 19

RESULT 9

US-10-880-425A-31
; Sequence 31, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-31

Query Match 1.5%; Score 28.4; DB 22; Length 38;
Best Local Similarity 96.7%; Pred. No. 2.2e+03;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAAGAAAGCTGCTGAC 123

Db 9 CAGGGGTGAGAAATAAGAAAGCTGCTGAC 38

RESULT 10

US-10-880-425A-15
; Sequence 15, Application US/10880425A

; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match 1.4%; Score 26.4; DB 22; Length 30;
Best Local Similarity 96.4%; Pred. No. 6.7e+03;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 94 CAGAGCTGAGAAATAAGAAAGGCTGCTG 121
Db 3 CAGGGGTGAGAAATAAGAAAGGCTGCTG 30

RESULT 11
US-09-957-708-40
; Sequence 40, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Hervé
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shuiath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-40

Query Match 1.4%; Score 26; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.9e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 113 AGGCTGCTGACATTTACCATCTGAGGC 138
Db 1 AGGCTGCTGACATTTACCATCTGAGGC 26

RESULT 12
US-10-880-425A-40/c
; Sequence 40, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.

; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match 1.4%; Score 26; DB 22; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.9e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 389 CTTAAAGGATGGCGCAGGAAACAGAT 414
Db 26 CTTAAAGGATGGCGCAGGAAACAGAT 1

RESULT 13
US-09-927-046-5039/c
; Sequence 5039, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloric
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5039
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-09-927-046-5039

Query Match 1.3%; Score 25.2; DB 10; Length 48;
Best Local Similarity 71.7%; Pred. No. 1.8e+04;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 49 GAGGAGACCGAGGAAGATCTGCGTGGGAGGACCTGTGATGATAC 94
Db 48 GACGGAGACCGGACGATGCTCTTGAGGGAGTAACCTCCTGATAC 3

RESULT 14
US-09-957-708-39/c
; Sequence 39, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Hervé
; APPLICANT: Cafferkey, Robert

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:37:16 ; Search time 178.484 Seconds
(without alignments)
7517.466 Million cell updates/sec

Title: US-09-402-713C-4

Perfect score: 820

Sequence: 1 agaagctggcatcagaaaaa.....cattactcattttgttcaaa 820

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1200126

Minimum DB seq length: 10

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA.*

1: /cgn2_6/ptodata/1/ina/5A-COMB.seq.*

2: /cgn2_6/ptodata/1/ina/5B-COMB.seq.*

3: /cgn2_6/ptodata/1/ina/6A-COMB.seq.*

4: /cgn2_6/ptodata/1/ina/6B-COMB.seq.*

5: /cgn2_6/ptodata/1/ina/PCTUS-COMB.seq.*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	20.8	2.5	47	4	US-09-422-978-3012
C 2	20.4	2.5	49	1	US-08-379-926A-5
C 3	20.2	2.5	48	2	US-08-853-217-24
C 4	20.2	2.5	48	3	US-09-636-735A-6
C 5	20	2.4	47	4	US-09-422-978-2561
C 6	19.6	2.4	47	4	US-09-422-978-523
C 7	19.6	2.4	47	4	US-09-422-978-3643
C 8	19.4	2.4	47	4	US-09-422-978-1976
C 9	19.2	2.3	25	4	US-09-396-196G-121545
C 10	19.2	2.3	47	3	US-09-641-638-825
C 11	19.2	2.3	47	4	US-09-422-978-4326
C 12	19.2	2.3	47	4	US-09-422-978-3188
C 13	19.2	2.3	47	4	US-10-170-097-825
C 14	19.2	2.3	50	3	US-09-390-867A-33
C 15	19.2	2.3	50	3	US-09-548-260-33
C 16	19	2.3	47	4	US-09-671-317-683
C 17	19	2.3	47	4	US-09-422-978-2052
C 18	18.8	2.3	29	4	US-09-304-233-248
C 19	18.8	2.3	39	3	US-09-262-773-161
C 20	18.8	2.3	47	4	US-09-422-978-657
C 21	18.8	2.3	47	4	US-09-422-978-3740
C 22	18.6	2.3	42	1	US-07-832-905B-39
C 23	18.6	2.3	42	2	US-08-700-757-39
C 24	18.6	2.3	45	1	US-08-450-257-21
C 25	18.6	2.3	45	1	US-08-450-246-21
C 26	18.6	2.3	45	1	US-08-450-098-21
C 27	18.6	2.3	45	1	US-08-451-233-21

Sequence 21, Appl
Sequence 21, Appl
Sequence 15, Appl
Sequence 3052, Ap
Sequence 3067, Ap
Sequence 2, Appli
Sequence 21, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 25, Appl
Sequence 9, Appl
Sequence 10, Appl
Sequence 9, Appl
Sequence 10, Appl
Sequence 185, App
Sequence 185, App
Sequence 10, Appl

45 1 US-08-450-236-21
45 3 US-08-235-403-21
47 3 US-08-477-831C-15
47 4 US-09-422-978-3052
47 4 US-09-422-978-3067
50 1 US-08-420-443-2
35 3 US-09-181-183-21
35 3 US-09-280-040-21
35 3 US-09-277-700-21
35 4 US-09-874-585D-21
37 2 US-08-853-217-25
37 2 US-09-326-157-9
37 4 US-09-326-157-10
37 4 US-10-135-755-9
37 4 US-10-135-755-10
40 4 US-09-060-299-185
40 4 US-09-402-923A-185
47 1 US-08-119-773-10

ALIGNMENTS

RESULT 1

US-09-422-978-3012/c

; Sequence 3012, Application US/09422978

; Patent No. 6537751

; GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel

; APPLICANT: Blumenfeld, Marta

; APPLICANT: Chumakov, Ilya

; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

; FILE REFERENCE: GENSET.020CPI

; CURRENT APPLICATION NUMBER: US/09/422,978

; CURRENT FILING DATE: 1999-10-20

; EARLIER APPLICATION NUMBER: US 09/298,850

; EARLIER FILING DATE: 1999-04-21

; EARLIER APPLICATION NUMBER: US 60/109,732

; EARLIER FILING DATE: 1998-11-23

; EARLIER APPLICATION NUMBER: US 60/082,614

; EARLIER FILING DATE: 1998-04-21

; NUMBER OF SEQ ID NOS: 11796

; SEQ ID NO 3012

; LENGTH: 47

; TYPE: DNA

; ORGANISM: Homo Sapiens

; FEATURE:

; NAME/KEY: allele

; LOCATION: 24

; OTHER INFORMATION: 99-21666-96 : polymorphic base C or A

US-09-422-978-3012

Query Match 2.5%; Score 20.8; DB 4; Length 47;

Best Local Similarity 70.0%; Pred. No. 1e+04; Mismatches 0; Indels 0; Gaps 0;

Matches 28; Conservative 0;

QY 252 CACACAGGAAGCACAAGGAGGACAGATCCCTGGGA 291

Db 41 CTCCTAAGGAAGCACAAGGAGGACCCAGAAATTTCTGGCA 2

RESULT 2

US-08-379-926A-5/c

; Sequence 5, Application US/08379926A

; Patent No. 5783414

; GENERAL INFORMATION:

; APPLICANT: CARREZ, DIRK

; APPLICANT: ROOS, JOEL

; TITLE OF INVENTION: EXPRESSION SYSTEM, INTEGRATION

; TITLE OF INVENTION: VECTOR

; TITLE OF INVENTION: AND CELL TRANSFORMED BY THIS INTEGRATION VECTOR

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &
ADDRESSEE: NEUSTADT
STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,926A
FILING DATE: 27-JAN-1995
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09400102
FILING DATE: 28-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09400586
FILING DATE: 17-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09500014
FILING DATE: 09-JAN-1995

ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 3987-13-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic oligonucleotide"
US-08-379-926A-5

Query Match 2.5%; Score 20.4; DB 1; Length 49;
Best Local Similarity 71.1%; Pred. No. 1.4e+04;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 544 ATACTGTGATCATGACATGAGCGAGCCAGCTGGGGAGGA 581
DB 47 ATTGCTGAGGTGTAATGATGCGCGCGCTGGGGATGA 10

RESULT 3
US-08-853-217-24
Sequence 24, Application US/08853217
Patent No. 5942395
GENERAL INFORMATION:
APPLICANT: Fournier, Maurille J.
APPLICANT: Samarsky, Dmitry A.
APPLICANT: Feybeyre, Gerardo
APPLICANT: Cedergren, Robert
TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/853,217
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Fasse, Peter J.
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 07880/034001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-853-217-24

Query Match 2.5%; Score 20.2; DB 2; Length 48;
Best Local Similarity 68.3%; Pred. No. 1.6e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 486 GAGGAAAACAGACGAGAAAATCTTGATGGCTTCAAGACA 526
DB 1 GTGAGAAACCGCGCGATGATCTTGATGGGTACAAATGGCA 41

RESULT 4
US-09-636-735A-6
Sequence 6, Application US/09636735A
Patent No. 6416956
GENERAL INFORMATION:
APPLICANT: Berg, Patricia
TITLE OF INVENTION: No. 6416956el Transcription Factor, BPI
FILE REFERENCE: 179.37405X00
CURRENT APPLICATION NUMBER: US/09/636.735A
CURRENT FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(48)
OTHER INFORMATION: synthesized oligonucleotide
US-09-636-735A-6

Query Match 2.5%; Score 20.2; DB 3; Length 48;
Best Local Similarity 68.3%; Pred. No. 1.6e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 414 TCCTGTTGTGGATATTTTGAACGGGATTACAGATTGA 454
DB 2 TCTTTTAATGGATATTTTCAATAATAAAAAATTAGA 42

RESULT 5
US-09-422-978-2561/c
Sequence 2561, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta


```

; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3643
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-8679-371 : polymorphic base T or G
; US-09-422-978--3643
;
Query Match 2.4%; Score 19.6; DB 4; Length 47;
Best Local Similarity 63.6%; Pred. No. 2.5e+04;
Matches 28; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

Qy 470 TGAGCATTACCATGAGAGAGAAAACAGACAGAGAAAATCTTGATG 513
Db 45 TCAGTTTTACAGATGAGAAAAMAAAAGTTTAGAAAAGTTGAATG 2

RESULT 8
US-09-422-978-1976
; Sequence 1976, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 1976
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-7744-255 : polymorphic base G or C
; US-09-422-978-1976
;
Query Match 2.4%; Score 19.4; DB 4; Length 47;
Best Local Similarity 66.7%; Pred. No. 2.9e+04;
Matches 26; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 662 AACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTAC 700
Db 8 AGCCTCCAAAGAGAGATTTGAAAGAGGTTATATCTAC 46

RESULT 9

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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 848.711 Seconds
(without alignments)
6277.132 Million cell updates/sec

Title: US-09-402-713C-4
Perfect score: 820
Sequence: 1 agagctggcgcagaaaaa.....cattactatttgcataa 820

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*
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5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
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10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
23: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	DB	ID	Description
c 1	50	6.1	50	10	US-09-996-953-4		Sequence 4, Appli
c 2	50	6.1	50	24	US-11-085-060-4		Sequence 4, Appli
c 3	40	4.9	40	22	US-10-880-425A-14		Sequence 14, Appli
c 4	34	4.1	34	22	US-10-880-425A-28		Sequence 28, Appli
c 5	33	4.0	33	22	US-10-880-425A-35		Sequence 35, Appli
c 6	31	3.8	31	22	US-10-880-425A-32		Sequence 32, Appli
c 7	30	3.7	30	22	US-10-880-425A-13		Sequence 13, Appli

c 8	28.8	3.5	50	22	US-10-880-425A-36	Sequence 36, Appli
c 9	28.4	3.5	38	22	US-10-880-425A-31	Sequence 31, Appli
c 10	26.4	3.2	30	22	US-10-880-425A-15	Sequence 15, Appli
c 11	26	3.2	26	10	US-09-957-708-40	Sequence 40, Appli
c 12	26	3.2	26	22	US-10-880-425A-40	Sequence 40, Appli
c 13	25.2	3.1	48	10	US-09-927-046-5039	Sequence 5039, Ap
c 14	25	3.0	25	10	US-09-957-708-39	Sequence 39, Appli
c 15	24	2.9	24	22	US-10-880-425A-25	Sequence 25, Appli
c 16	23	2.8	23	22	US-10-880-425A-26	Sequence 26, Appli
c 17	23	2.8	23	22	US-10-880-425A-38	Sequence 38, Appli
c 18	22.6	2.8	37	22	US-10-029-953A-141	Sequence 141, App
c 19	22	2.7	22	10	US-09-956-953-2	Sequence 2, Appli
c 20	22	2.7	22	24	US-11-085-060-2	Sequence 68, Appli
c 21	21.4	2.6	32	18	US-10-270-176-68	Sequence 5025, Ap
c 22	21.4	2.6	48	10	US-09-927-046-5025	Sequence 4348, Ap
c 23	21.2	2.6	50	17	US-10-131-827-4348	Sequence 6033, Ap
c 24	21.2	2.6	50	17	US-10-131-827-6033	Sequence 6331, Ap
c 25	21.2	2.6	50	17	US-10-131-827-6331	Sequence 27, Appli
c 26	21	2.6	21	22	US-10-880-425A-27	Sequence 105, App
c 27	21	2.6	37	22	US-10-029-345A-105	Sequence 137, App
c 28	21	2.6	37	22	US-10-029-345A-137	Sequence 190, App
c 29	21	2.6	40	20	US-10-469-851-190	Sequence 503, App
c 30	21	2.6	50	17	US-10-131-827-503	Sequence 7917, Ap
c 31	21	2.6	50	17	US-10-131-827-7917	Sequence 3012, Ap
c 32	20.8	2.5	47	17	US-10-343-143-3012	Sequence 18, Appli
c 33	20.8	2.5	47	18	US-10-333-429-18	Sequence 189, App
c 34	20.6	2.5	40	20	US-10-469-851-189	Sequence 7842, Ap
c 35	20.6	2.5	50	17	US-10-131-827-7842	Sequence 2, Appli
c 36	20.4	2.5	39	9	US-09-834-760-2	Sequence 5217, Ap
c 37	20.4	2.5	48	10	US-09-927-046-5217	Sequence 44356, A
c 38	20.2	2.5	25	22	US-10-843-527-44356	Sequence 193821,
c 39	20.2	2.5	25	22	US-10-843-527-193821	Sequence 176733,
c 40	20.2	2.5	40	13	US-10-027-632-176733	Sequence 176733,
c 41	20.2	2.5	40	17	US-10-027-632-176733	Sequence 11, Appli
c 42	20.2	2.5	41	21	US-10-928-626-11	Sequence 6, Appli
c 43	20.2	2.5	48	16	US-10-143-897-6	Sequence 176753,
c 44	20.2	2.5	49	13	US-10-027-632-176753	Sequence 176753,
c 45	20.2	2.5	49	17	US-10-027-632-176753	

ALIGNMENTS

RESULT 1

US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; TITLE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.010000
; CURRENT APPLICATION NUMBER: US/09/996,953
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

Query Match 6.1%; Score 50; DB 10; Length 50;
Best Local Similarity 100.0%; Pred.No. 0.00012;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 33 TTGTGTGGCTGACCGAGGGAGACCAGGAAGATCTGCATCGTGGGAAG 82
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Db 50 TTGTGTGGCTGACCGAGGGAGACCAGGAAGATCTGCATCGTGGGAAG 1

RESULT 2

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US-11-085-060-4/c
; Sequence 4, Application US/11085060
; Publication NO. US20050158792A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verbaech, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; TITLE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.010000
; CURRENT APPLICATION NUMBER: US/11/085,060
; CURRENT FILING DATE: 2005-03-22
; PRIOR APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide
US-11-085-060-4

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RESULT 3

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US-10-880-425A-14
; Sequence 14, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Heesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-14

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RESULT 4

US-10-880-425A-28
; Sequence 28, Application US/10890425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Vermaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28
; LENGTH: 34
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-28

RESULT 5

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US-10-880-425A-35
; Sequence 35, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.019000/JAG/CWB
; CURRENT APPLICATION NUMBER: US/10/880, 425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35
; LENGTH: 33
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-35

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Db 1 GGAGCAGCAAAAGGAGACACAGAGATCCCTGGG 33

RESULT 6

US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match 3.8%; Score 31; DB 22; Length 31;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 262 GCACAAAGGAGACACAGAGATCCCTGGGAG 292

Db 1 GCACAAAGGAGACACAGAGATCCCTGGGAG 31

RESULT 7

US-10-880-425A-13
; Sequence 13, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 13
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 3.7%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

RESULT 8

US-10-880-425A-36/c
; Sequence 36, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 36
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36

Query Match 3.5%; Score 28.8; DB 22; Length 50;
Best Local Similarity 93.8%; Pred. No. 2.9e+02;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 306 CCATCTTGGTCATCATGATGAGCCTCGCCCTGT 337

Db 50 CCATCTTGGTCATCATGATGAGCCTCTCCCTAT 19

RESULT 9

US-10-880-425A-31
; Sequence 31, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 31
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-31

Query Match 3.5%; Score 28.4; DB 22; Length 38;
Best Local Similarity 96.7%; Pred. No. 3.3e+02;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGTGAGAAATAAGAAAGCTGCTGAC 123

Db 9 CAGGGGTGAGAAATAAGAAAGCTGCTGAC 38

RESULT 10

US-10-880-425A-15
; Sequence 15, Application US/10880425A

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; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match          3.2%; Score 26.4; DB 22; Length 30;
Best Local Similarity 96.4%; Pred. No. 1.2e+03;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAGAAAGGCTGCTG 121
Db 3 CAGGGGTGAGAAATAGAAAGGCTGCTG 30

RESULT 11
US-09-957-708-40
; Sequence 40, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; FILE REFERENCE: Genes
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-40

Query Match          3.2%; Score 26; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 113 AGGCTGCTGACTTTTACCATCTGAGGC 138
Db 1 AGGCTGCTGACTTTTACCATCTGAGGC 26

RESULT 12
US-10-880-425A-40/c
; Sequence 40, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
```

```
; APPLICANT: Smit, Frank
; APPLICANT: Hessesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match          3.2%; Score 26; DB 22; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 389 CTTAAAGCATGGCAGGAAAACAGAT 414
Db 26 CTTAAAGCATGGCAGGAAAACAGAT 1

RESULT 13
US-09-927-046-5039/c
; Sequence 5039, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloric
; FILE REFERENCE: Channel-1
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5039
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-09-927-046-5039

Query Match          3.1%; Score 25.2; DB 10; Length 48;
Best Local Similarity 71.7%; Pred. No. 3.5e+03;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 49 GAGGGAGACCGAGGAGATCTGTCATGGTGGGAGGACCTGTATGATAC 94
Db 48 GACGGAGACCGGACGATGTCCTTGAGGGAGTAACCTCTCTGATAC 3

RESULT 14
US-09-957-708-39/c
; Sequence 39, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caferkey, Robert
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Search completed: August 25, 2005, 00:56:05
Job time : 848.711 secs

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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 172.86 Seconds
(without alignments)
7762.041 Million cell updates/sec

Title: US-09-402-713C-4

Perfect score: 820

Sequence: 1 agaagctggcatcagaaaaa.....cattactcattttgttcaaa 820

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	812	99.0	812	3	US-09-439-313-471
C 2	812	99.0	812	3	US-09-352-616A-471
C 3	812	99.0	812	4	US-09-636-215-471
C 4	812	99.0	812	4	US-09-685-166A-471
C 5	812	99.0	812	4	US-09-679-426-471
C 6	812	99.0	812	4	US-09-759-143-471
C 7	810.72	98.9	812	4	US-09-651-236-471
C 8	725.8	88.5	3112	3	US-09-439-313-468
C 9	725.8	88.5	3112	3	US-09-352-616A-468
C 10	725.8	88.5	3112	4	US-09-636-215-468
C 11	725.8	88.5	3112	4	US-09-685-166A-468
C 12	725.8	88.5	3112	4	US-09-679-426-468
C 13	725.8	88.5	3112	4	US-09-759-143-468
C 14	725.8	88.5	3112	4	US-09-651-236-468
C 15	725.6	88.5	2229	3	US-09-439-313-469
C 16	725.6	88.5	2229	3	US-09-352-616A-469
C 17	725.6	88.5	2229	4	US-09-636-215-469
C 18	725.6	88.5	2229	4	US-09-685-166A-469
C 19	725.6	88.5	2229	4	US-09-679-426-469
C 20	725.6	88.5	2229	4	US-09-759-143-469
C 21	725.6	88.5	2426	3	US-09-439-313-470
C 22	725.6	88.5	2426	3	US-09-352-616A-470
C 23	725.6	88.5	2426	4	US-09-636-215-470
C 24	725.6	88.5	2426	4	US-09-685-166A-470
C 25	725.6	88.5	2426	4	US-09-679-426-470
C 26	725.6	88.5	2426	4	US-09-759-143-470
C 27	725.4	88.5	3923	4	US-09-636-215-690

28	725.4	88.5	3923	4	US-09-685-166A-690	Sequence 690, App
29	725.4	88.5	3923	4	US-09-679-426-690	Sequence 690, App
30	725.4	88.5	3923	4	US-09-759-143-690	Sequence 690, App
C 31	724.32	88.3	2229	4	US-09-651-236-469	Sequence 469, App
C 32	724.32	88.3	2426	4	US-09-651-236-470	Sequence 470, App
C 33	724.12	88.3	3923	4	US-09-651-236-690	Sequence 690, App
C 34	513.2	62.6	718	3	US-09-439-313-313	Sequence 313, App
C 35	513.2	62.6	718	3	US-09-352-616A-313	Sequence 313, App
C 36	513.2	62.6	718	3	US-09-232-149A-313	Sequence 313, App
C 37	513.2	62.6	718	4	US-09-636-215-313	Sequence 313, App
C 38	513.2	62.6	718	4	US-09-685-166A-313	Sequence 313, App
C 39	513.2	62.6	718	4	US-09-688-489-313	Sequence 313, App
C 40	513.2	62.6	718	4	US-09-679-426-313	Sequence 313, App
C 41	513.2	62.6	718	4	US-09-759-143-313	Sequence 313, App
C 42	513.2	62.6	718	4	US-09-651-236-313	Sequence 313, App
C 43	414.2	50.5	437	4	US-09-513-999C-10843	Sequence 10843, A
C 44	406.4	49.6	481	4	US-09-621-976-15110	Sequence 15110, A
C 45	288.4	35.2	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1

US-09-439-313-471/c

; Sequence 471, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Sox, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

; CURRENT FILING DATE: 1999-11-12

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-439-313-471

Query Match 99.0%; Score 812; DB 3; Length 812;
Best Local Similarity 100.0%; Pred. No. 4.2e-244; Indels 0; Gaps 0;
Matches 812; Conservative 0; Mismatches 0;

QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGCTGCAGCCGAGGAGACGAGGAACA 65

DB 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGCTGCAGCCGAGGAGACGAGGAACA 753

QY 66 TCTGTCATGGTGGAGGACCTGATGATACAGAGGTGAGAAATTAAGAAAGGCTGCTGACTT 125

DB 752 TCTGTCATGGTGGAGGACCTGATGATACAGAGGTGAGAAATTAAGAAAGGCTGCTGACTT 693

QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATAATTAACATCCTAGAAAAACAGCAA 185

DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATAATTAACATCCTAGAAAAACAGCAA 633

QY 186 GATGCAATATAATGCTTAAGTAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATA 245

DB 632 GATGCAATATAATGCTTAAGTAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATA 573

QY 246 TCCACACACAGGAGCAAAAAGGAGACAGAGATCCCTGGGAGAAATGCCCGCCG 305

; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Query Match 99.0%; Score 812; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 4.2e-244;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCGAGCGAGGAGACAGGAAGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCGAGCGAGGAGACAGGAAGA 753

QY 66 TCTGCATGTGGGAAGGACTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 125
DB 752 TCTGCATGTGGGAAGGACTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 693

QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAAACAGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAAACAGCAA 633

QY 186 GATGACAATATATGTCTAAGTAGTGACATGTTTTTGGCATTTCAGCCCTTTAAATA 245
DB 632 GATGACAATATATGTCTAAGTAGTGACATGTTTTTGGCATTTCAGCCCTTTAAATA 573

QY 246 TCACACACACAGGAGCAACAAAGGAGCAGACAGATCCCTGGGAGAAATGCCCGCG 305
DB 572 TCACACACACAGGAGCAACAAAGGAGCAGACAGATCCCTGGGAGAAATGCCCGCG 513

QY 306 CATCTCTGGGTCAATCGATGAGCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCT 365
DB 512 CATCTCTGGGTCAATCGATGAGCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCT 453

QY 366 TTAGAAAAATGAATGTATGTCTTAAAGGATGGCAGGAAAAACAGATCTCTGTGTGGA 425
DB 452 TTAGAAAAATGAATGTATGTCTTAAAGGATGGCAGGAAAAACAGATCTCTGTGTGGA 393

QY 426 TATTTATTTGAACGGATTACAGATTTTGAATGAAGTCAAAAGTGAAGTCAAAAGTGAAGTCA 485
DB 392 TATTTATTTGAACGGATTACAGATTTTGAATGAAGTCAAAAGTGAAGTCAAAAGTGAAGTCA 333

QY 486 GAGGAAAAACAGACGAGAAAAATCTTGATGGCTTCAACAAGATGCAACAAACAAAAATGGAA 545
DB 332 GAGGAAAAACAGACGAGAAAAATCTTGATGGCTTCAACAAGATGCAACAAACAAAAATGGAA 273

QY 546 TACTGTGATGATGAGGAGCAACAGCTGGGAGGAGATACCAACGGGCGAGGGTCAAG 605

RESULT 7

US-09-651-236-471/c

; Sequence 471, Application US/09651236

; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471

Query Match 98.9%; Score 810.72; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 1.1e-243;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCGAGCGAGGAGACAGGAAGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCGAGCGAGGAGACAGGAAGA 753

QY 66 TCTGCATGTGGGAAGGACTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 125
DB 752 TCTGCATGTGGGAAGGACTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 693

QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAAACAGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAAACAGCAA 633

QY 186 GATGACAATATATGTCTAAGTAGTGACATGTTTTTGGCATTTCAGCCCTTTAAATA 245
DB 632 GATGACAATATATGTCTAAGTAGTGACATGTTTTTGGCATTTCAGCCCTTTAAATA 573

QY 246 TCACACACACAGGAGCAACAAAGGAGCAGACAGATCCCTGGGAGAAATGCCCGCG 305
DB 572 TCACACACACAGGAGCAACAAAGGAGCAGACAGATCCCTGGGAGAAATGCCCGCG 513

QY 306 CCATCTTGGGTCAATCGATGAGCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCT 365
DB 512 CCATCTTGGGTCAATCGATGAGCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCT 453

QY 366 TTAGAAAAATGAATGTATGTCTTAAAGGATGGCAGGAAAAACAGATCTCTGTGTGGA 425
DB 452 TTAGAAAAATGAATGTATGTCTTAAAGGATGGCAGGAAAAACAGATCTCTGTGTGGA 393

QY 426 TATTTATTTGAACGGATTACAGATTTTGAATGAAGTCAAAAGTGAAGTCAAAAGTGAAGTCA 485
DB 392 TATTTATTTGAACGGATTACAGATTTTGAATGAAGTCAAAAGTGAAGTCAAAAGTGAAGTCA 333

QY 486 GAGGAAAAACAGACGAGAAAAATCTTGATGGCTTCAACAAGATGCAACAAACAAAAATGGAA 545
DB 332 GAGGAAAAACAGACGAGAAAAATCTTGATGGCTTCAACAAGATGCAACAAACAAAAATGGAA 273

QY 546 TACTGTGATGATGAGGAGCAACAGCTGGGAGGAGATACCAACGGGCGAGGGTCAAG 605

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Db 272 TACTGTGATGACATGAGGAGCCAAAGCTGGGAGGAGATAAACACCGGGCAGAGGCTCAG 213
Qy 606 GATTCTGGCCCTGCTGCCATAACTGTCGTTTCATACCAAAATCATTTTCTTAACC 665
Db 212 GATTCTGGCCCTGCTGCCATAACTGTCGTTTCATACCAAAATCATTTTCTTAACC 153
Qy 666 CTCAAACAAAGCTGTTGTAATATCTGATCTCTACCGTTTCCTTCTGGGCCCAACATTTCTC 725
Db 152 CTCAAACAAAGCTGTTGTAATATCTGATCTCTACCGTTTCCTTCTGGGCCCAACATTTCTC 93
Qy 726 CATATATCAGCCACACTCATTTTAAATATTTAGTTTCCAGATCTGTA CTGTGACCTTTC 785
Db 92 CATATATCAGCCACACTCATTTTAAATATTTAGTTTCCAGATCTGTA CTGTGACCTTTC 33
Qy 786 TACACTGTAGATAAATCACTACTCATTTTGTTC 817
Db 32 TACACTGTAGATAAATCACTACTCATTTTGTTC 1

RESULT 8
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468

Query Match 88.5%; Score 725.8; DB 3; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 92 TACAGAGGTGAGATAAAGAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGATAAAGAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
Qy 152 AAATGGAGATAATTAACATCACTAGAACACAGCAAGATGACATATAATGCTTAAGTAGTG 211
Db 1367 AAATGGAGATAATTAACATCACTAGAACACAGCAAGATGACATATAATGCTTAAGTAGTG 1426
Qy 212 ACATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGG 271
Db 1427 ACATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGG 1486
Qy 272 AAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGAGCCCTCG 331
Db 1487 AAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGAGCCCTCG 1546
Qy 332 CCCTGTGCTGCTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGATGTTTCCTT 391
Db 1547 CCCTGTGCTGCTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGATGTTTCCTT 1606
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Qy 392 AAAGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTACAGATT 451
Db 1607 AAAGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTACAGATT 1666
Qy 452 TGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAATCTTTGA 511
Db 1667 TGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAATCTTTGA 1726
Qy 512 TGGCTTTCAGAGACATGCAACAAACAAATGGAATGCTGTGATGACATGAGCAGCCCAAG 571
Db 1727 TGGCTTTCAGAGACATGCAACAAACAAATGGAATGCTGTGATGACATGAGCAGCCCAAG 1786
Qy 572 CTGGGAGGAGATACACGCGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGT 631
Db 1787 CTGGGAGGAGATACACGCGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAACTGT 1846
Qy 632 GCGTTTCATAACCAATCATTTTCATATTTCTAACCTTCAAAACAAAGCTGTTGTAATATCT 691
Db 1847 GCGTTTCATAACCAATCATTTTCATATTTCTAACCTTCAAAACAAAGCTGTTGTAATATCT 1906
Qy 692 GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 751
Db 1907 GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 1966
Qy 752 ATATTTAGTTTCCAGATCTGTA CTGTGACCTTTCTACACTGTAGAAATTAACATTTACT 811
Db 1967 ATATTTAGTTTCCAGATCTGTA CTGTGACCTTTCTACACTGTAGAAATTAACATTTACT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035

RESULT 9
US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 88.5%; Score 725.8; DB 3; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 92 TACAGAGGTGAGATAAAGAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGATAAAGAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
Qy 152 AAATGGAGATAATTAACATCACTAGAACACAGCAAGATGACATATAATGCTTAAGTAGTG 211
Db 1367 AAATGGAGATAATTAACATCACTAGAACACAGCAAGATGACATATAATGCTTAAGTAGTG 1426
Qy 212 ACATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGG 271
Db 1427 ACATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGG 1486
Qy 272 AAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATGAGCCCTCG 331
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1487	Db		AAGCACAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCAATCATGAGCCTCG	1546
332	Qy	CCCTGTGCCTTGGTCCCGCTTGTGAGGGAAGACATTAGAAAAATGAATGTGTTCCTT		391
1547	Db	CCCTGTGCCTTGGTCCCGCTTGTGAGGGAAGACATTAGAAAAATGAATGTGTTCCTT		1606
392	Qy	AAAGGATGGGCGAGAAAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATACAGATT		451
1607	Db	AAAGGATGGGCGAGAAAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATACAGATT		1666
452	Qy	TGAAATGAAGTCAAAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAATCTTTGA		511
1667	Db	TGAAATGAAGTCAAAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAATCTTTGA		1726
512	Qy	TGGCTTCAAGACATGCAACAAACAAAATGGAAATACTGTGATGACATGAGGCGAGCCAAG		571
1727	Db	TGGCTTCAAGACATGCAACAAACAAAATGGAAATACTGTGATGACATGAGGCGAGCCAAG		1786
572	Qy	CTGGGAGGAGATAACCAACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCTAAACTGT		631
1787	Db	CTGGGAGGAGATAACCAACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCTAAACTGT		1846
632	Qy	CGCTTCATAACCAAATCAATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTTGTAATATCT		691
1847	Db	CGCTTCATAACCAAATCAATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTTGTAATATCT		1906
692	Qy	GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTA		751
1907	Db	GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTA		1966
752	Qy	ATATTTAGTTCCCGAGATCTGTACTGTGACCTTTTTCACACTGTAGATAACCACTACTCATTT		811
1967	Db	ATATTTAGTTCCCGAGATCTGTACTGTGACCTTTTTCACACTGTAGATAACCACTACTCATTT		2026
812	Qy	TTGTTCAAA 820		
2027	Db	TTGTTCAAA 2035		

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RESULT 10
US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Steiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AN
; TITLE OF INVENTION: DIAGNOSIS OF PR
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/63
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 952
; SOFTWARE: FastSeq for Windows Versi
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens

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Query Match	88.5%	Score 725.8	DB 4	Length 3112
Best Local Similarity	99.7%	Pred. No. 9.9e-217		
Matches 727	Conservative 0	Mismatches 2	Indels 0	Gaps 0
QY 92	TACAGAGGTGAGAAATTAAGAAAGCGTCTGCTGACATTTACCATCTGAGGCGCACACATCTGCTG	151		
DB 1307	TAAATAGGTGAGAAATTAAGAAAGCGTCTGCTGACATTTACCATCTGAGGCGCACACATCTGCTG	1366		
QY 152	AAATGGAGAGTAATTAACATCAGTACAGAAAGGATGACAAATATATATGTTCTAGTAGTG	211		
DB 1367	AAATGGAGAGTAATTAACATCAGTACAGAAAGGATGACAAATATATATGTTCTAGTAGTG	1426		
QY 212	ACATGTTTTTGCACATTTCCAGGCCCTTTAAATATCCACACACAGAGAAAGCACAAAAGG	271		
DB 1427	ACATGTTTTTGCACATTTCCAGGCCCTTTAAATATCCACACACAGAGAAAGCACAAAAGG	1486		
QY 272	AAGCACAGAGATCCCTGGGAGAAATGCCCCGGCCGCATCTTTGGGTATCATGAGCGCTCG	331		
DB 1487	AAGCACAGAGATCCCTGGGAGAAATGCCCCGGCCGCATCTTTGGGTATCATGAGCGCTCG	1546		
QY 332	CCCTGTGCGTGTCCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGTTGTTCCCTT	391		
DB 1547	CCCTGTGCGTGTCCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGTTGTTCCCTT	1606		
QY 392	AAAGGATGGCGAGGAAAACAGATCTGTCTGGATATTTATTTGAACGGGATTTACAGATT	451		
DB 1607	AAAGGATGGCGAGGAAAACAGATCTGTCTGGATATTTATTTGAACGGGATTTACAGATT	1666		
QY 452	TGAATGAAGTCAAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAATCTTGA	511		
DB 1667	TGAATGAAGTCAAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAATCTTGA	1726		
QY 512	TGGCTTCACAGACATGCACAAACAAAATGGAATCTGTGATGACATGAGCGAGCCAAG	571		
DB 1727	TGGCTTCACAGACATGCACAAACAAAATGGAATCTGTGATGACATGAGCGAGCCAAG	1786		
QY 572	CTGGGAGGAGATAACCAAGGGGAGAGGCTCAGGATTTCTGGCCCTGCTCCCTAAACTGT	631		
DB 1787	CTGGGAGGAGATAACCAAGGGGAGAGGCTCAGGATTTCTGGCCCTGCTCCCTAAACTGT	1846		
QY 632	CGGTTTCATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATCT	691		
DB 1847	CGGTTTCATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATCT	1906		
QY 692	GATCTTACGGTTCCTTCTGGGCGCAACATCTCCATATATCCAGGCCACACTCAATTTTA	751		
DB 1907	GATCTTACGGTTCCTTCTGGGCGCAACATCTCCATATATCCAGGCCACACTCAATTTTA	1966		
QY 752	ATATTTAGTTCCAGATCTGTGACCTTTCTACCTGTGAGATAACATTTACTCATTT	811		
DB 1967	ATATTTAGTTCCAGATCTGTGACCTTTCTACCTGTGAGATAACATTTACTCATTT	2026		
QY 812	TTGTTCAAA 820			
DB 2027	TTGTTCAAA 2035			

RESULT 11

US-09-685-166A-468

; Sequence 468, Application US/09685166A

; Patent No. 6630305

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedwick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685,166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-685-166A-468

Query Match 88.5%; Score 725.8; DB 4; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 92 TACAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366

QY 152 AAATGAGATATTAACATCCTAGAAAACAGCAAGATGACATATATCTTAAAGTAGTG 211
DB 1367 AAATGAGATATTAACATCCTAGAAAACAGCAAGATGACATATATCTTAAAGTAGTG 1426

QY 212 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAAGCACAAGG 271
DB 1427 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAAGCACAAGG 1486

QY 272 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTGATCGATGAGCCTCG 331
DB 1487 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTGATCGATGAGCCTCG 1546

QY 332 CCTGTGCTGCTCCCGTCTGAGGGAAGGACATTTAGAAAATGAATTTGATGTTCTCTT 691
DB 1547 CCTGTGCTGCTCCCGTCTGAGGGAAGGACATTTAGAAAATGAATTTGATGTTCTCTT 1606

QY 392 AAAGGATGGCAGGAAACAGATCCTGTTGGGATTTTATTTGAAACGGGATACAGATT 451
DB 1607 AAAGGATGGCAGGAAACAGATCCTGTTGGGATTTTATTTGAAACGGGATACAGATT 1666

QY 452 TGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 511
DB 1667 TGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 1726

QY 512 TGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 571
DB 1727 TGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 1786

QY 572 CTGGGAGGAGATTAACACGGGCGAGGGTCAAGGATCTGGCCCTGCTGCTTAAACTGT 631
DB 1787 CTGGGAGGAGATTAACACGGGCGAGGGTCAAGGATCTGGCCCTGCTGCTTAAACTGT 1846

QY 632 GCGTTCAATACCAAAATCATTTTATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATCT 691
DB 1847 GCGTTCAATACCAAAATCATTTTATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATCT 1906

QY 692 GATCTCAGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGGCACATCATTTTGA 751
DB 1907 GATCTCAGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGGCACATCATTTTGA 1966

QY 752 ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCACTACTCAT 811
DB 1967 ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCACTACTCAT 2026

QY 812 TTGTTCAAA 820
DB 2027 TTGTTCAAA 2035

RESULT 12
US-09-679-426-468
Sequence 468, Application US/09679426
Patent No. 6759515
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqui
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedwick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C20
CURRENT APPLICATION NUMBER: US/09/679,426
CURRENT FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-426-468

Query Match 88.5%; Score 725.8; DB 4; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 92 TACAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366

QY 152 AAATGAGATATTAACATCCTAGAAAACAGCAAGATGACATATATCTTAAAGTAGTG 211
DB 1367 AAATGAGATATTAACATCCTAGAAAACAGCAAGATGACATATATCTTAAAGTAGTG 1426

QY 212 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAAGCACAAGG 271
DB 1427 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACAGGAAAGCACAAGG 1486

QY 272 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTGATCGATGAGCCTCG 331
DB 1487 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTGATCGATGAGCCTCG 1546

QY 332 CCTGTGCTGCTCCCGTCTGAGGGAAGGACATTTAGAAAATGAATTTGATGTTCTCTT 391
DB 1547 CCTGTGCTGCTCCCGTCTGAGGGAAGGACATTTAGAAAATGAATTTGATGTTCTCTT 1606

QY 392 AAAGGATGGCAGGAAACAGATCCTGTTGGGATTTTATTTGAAACGGGATACAGATT 451
DB 1607 AAAGGATGGCAGGAAACAGATCCTGTTGGGATTTTATTTGAAACGGGATACAGATT 1666

QY 452 TGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 511
DB 1667 TGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 1726

QY 512 TGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 571

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Db 1727 TGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAGCAAG 1786
Qy 572 CTGGGAGGAGATAAACAACGGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 631
Db 1787 CTGGGAGGAGATAAACAACGGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 1846
Qy 632 GCCTTCATACCAAAATCAATTTCTATATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCT 691
Db 1847 GCCTTCATACCAAAATCAATTTCTATATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCT 1906
Qy 692 GATCTCTACGGTTCCTTCTGGGCGGCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 751
Db 1907 GATCTCTACGGTTCCTTCTGGGCGGCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 1966
Qy 752 ATATTTAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCAT 811
Db 1967 ATATTTAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCAT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035

RESULT 13
US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 88.5%; Score 725.8; DB 4; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 92 TACAGAGGTGAGAAATAAGAAAGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGAAATAAGAAAGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTG 1366
Qy 152 AAATGAGATAAATAACATCACTAGAAAACAGCAAGATGACAATATATCTTAAGTAGTG 211
Db 1367 AAATGAGATAAATAACATCACTAGAAAACAGCAAGATGACAATATATCTTAAGTAGTG 1426
Qy 212 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAAAGG 271
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Db 1427 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAAAGG 1486
Qy 272 AAGCAGAGATCCCTGGGAGAAATCCCGGCGGCATCTTTGGGTCATCGATGAGCCTCG 331
Db 1487 AAGCAGAGATCCCTGGGAGAAATCCCGGCGGCATCTTTGGGTCATCGATGAGCCTCG 1546
Qy 332 CCCTGTGCTGTGCTCGGCTTGTGAGGAGAGACATTTAGAAAATGAATTTGATGTGTCCTT 391
Db 1547 CCCTGTGCTGTGCTCGGCTTGTGAGGAGAGACATTTAGAAAATGAATTTGATGTGTCCTT 1606
Qy 392 AAAGATGGGAGGAGAAACAGATCTGTTGTGGATATTTATTTGAACGGGATTTACAGATT 451
Db 1607 AAAGATGGGAGGAGAAACAGATCTGTTGTGGATATTTATTTGAACGGGATTTACAGATT 1666
Qy 452 TGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAAAATCTTGA 511
Db 1667 TGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAAAATCTTGA 1726
Qy 512 TGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAAAG 571
Db 1727 TGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAAAG 1786
Qy 572 CTGGGAGGAGATAACACGGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 631
Db 1787 CTGGGAGGAGATAACACGGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 1846
Qy 632 GGTTCATAACCAAAATCAATTTCTATATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCT 691
Db 1847 GGTTCATAACCAAAATCAATTTCTATATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCT 1906
Qy 692 GATCTCTACGGTTCCTTCTGGGCGGCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 751
Db 1907 GATCTCTACGGTTCCTTCTGGGCGGCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 1966
Qy 752 ATATTTAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCAT 811
Db 1967 ATATTTAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCAT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035

RESULT 14
US-09-651-236-468
; Sequence 468, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
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; LENGTH: 3112									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-09-651-236-468									
Query Match									
Best Local Similarity 88.5%; Score 725.8; DB 4; Length 3112;									
Matches 72; Conservative 0; Mismatches 2; Indels 0; Gaps 0;									
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Qy	152	AAATGGAGATAATTTAAATCATCTACTAGAAACAGCAAGATGACATATATATGTCTAAGTAGTG	211						
Db	1367	AAATGGAGATAATTTAAATCATCTACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTG	1426						
Qy	212	ACATGTTTTTGCACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCAACAAAGG	271						
Db	1427	ACATGTTTTTGCACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCAACAAAGG	1486						
Qy	272	AAGCACAGAGATCCCTGGGAAATCCCGCCGCCATCTTGGGTCAATCGATGAGCCTCG	331						
Db	1487	AAGCACAGAGATCCCTGGGAAATCCCGCCGCCATCTTGGGTCAATCGATGAGCCTCG	1546						
Qy	332	CCCTGTGCTGCTCCCGCTTGTGAGGGAAGGACATTAGAAAAATGAATGTGTGTTCCCTT	391						
Db	1547	CCCTGTGCTGCTCCCGCTTGTGAGGGAAGGACATTAGAAAAATGAATGTGTGTGTTCCCTT	1606						
Qy	392	AAAGGATGGGCAGGAAAAACAGATCCTCTGTGTGGATATTTATTTGAACGGGATTACAGATT	451						
Db	1607	AAAGGATGGGCAGGAAAAACAGATCCTCTGTGTGGATATTTATTTGAACGGGATTACAGATT	1666						
Qy	452	TGAATGAAGTCAAAAGTGAGCATTAACAAATGAGAGGAAAAACAGACGAGAAAAATCTTGA	511						
Db	1667	TGAATGAAGTCAAAAGTGAGCATTAACAAATGAGAGGAAAAACAGACGAGAAAAATCTTGA	1726						
Qy	512	TGGCTTCACAGACATGCAACAAACAAATGGATACTGTGTATGACATGAGGAGCGCCAG	571						
Db	1727	TGGCTTCACAGACATGCAACAAACAAATGGATACTGTGTATGACATGAGGAGCGCCAG	1786						
Qy	572	CTGGGAGGAGATAACCAACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAAACTGT	631						
Db	1787	CTGGGAGGAGATAACCAACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAAACTGT	1846						
Qy	632	CGGTTCTATAACCAAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTGAATATCT	691						
Db	1847	CGGTTCTATAACCAAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTGAATATCT	1906						
Qy	692	GATCTCTACGGTTCCTTCTGGGCCACACATTTCTCCATATATCCAGCCACACTCATTTTTTA	751						
Db	1907	GATCTCTACGGTTCCTTCTGGGCCACACATTTCTCCATATATCCAGCCACACTCATTTTTTA	1966						
Qy	752	ATATTTTAGTTCCCGAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTACTCATTT	811						
Db	1967	ATATTTTAGTTCCCGAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTACTCATTT	2026						
Qy	812	TTGTTTCAAA 820							
Db	2027	TTGTTTCAAA 2035							

Qy	665	CCTCAAAACAAGCTGTGTAATATCTGATCTCTACGGTTCCTCTGGGCCCAACATCT	724
Db	1208	CCTCAAAACAAGCTGTGTAATATCTGATCTCTACGGTTCCTCTGGGCCCAACATCT	1149
Qy	725	CCATATATCAGGCCACACTCATTTTAAATTATTAGTTCCAGACTGTGTAAGACCTTT	784
Db	1148	CCATATATCAGGCCACACTCATTTTAAATTATTAGTTCCAGACTGTGTAAGACCTTT	1089
Qy	785	CTACACTGTAGAATAACATTACTCATTTTGGTCAAA	820
Db	1088	CTACACTGTAGAATAACATTACTCATTTTGGTCAAA	1053

RESULT 15
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; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yugu
; APPLICANT: Reed, Steven G.

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Job time : 174.86 secs

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Perfect score: 820
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Scoring table: IDENTITY_NUC
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Searched: 7316285 seqs, 3248459403 residues

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	812	99.0	812	9	US-09-822-827-471
5	812	99.0	812	9	US-09-895-793-471
6	812	99.0	812	9	US-09-895-814-471
7	812	99.0	812	13	US-10-012-896-471

c	8	812	99.0	812	14	US-10-010-940-471	Sequence 471, App
c	9	812	99.0	812	16	US-10-144-678A-471	Sequence 471, App
c	10	812	99.0	812	16	US-10-294-025-471	Sequence 471, App
c	11	725.8	88.5	3112	9	US-09-759-143-468	Sequence 468, App
c	12	725.8	88.5	3112	9	US-09-780-669-468	Sequence 468, App
c	13	725.8	88.5	3112	9	US-09-822-827-468	Sequence 468, App
c	14	725.8	88.5	3112	9	US-09-895-793-468	Sequence 468, App
c	15	725.8	88.5	3112	9	US-09-895-814-468	Sequence 468, App
c	16	725.8	88.5	3112	13	US-10-012-896-468	Sequence 468, App
c	17	725.8	88.5	3112	14	US-10-010-940-468	Sequence 468, App
c	18	725.8	88.5	3112	16	US-10-144-678A-468	Sequence 468, App
c	19	725.8	88.5	3112	16	US-10-294-025-468	Sequence 468, App
c	20	725.6	88.5	2229	9	US-09-759-143-469	Sequence 469, App
c	21	725.6	88.5	2229	9	US-09-780-669-469	Sequence 469, App
c	22	725.6	88.5	2229	9	US-09-822-827-469	Sequence 469, App
c	23	725.6	88.5	2229	9	US-09-895-793-469	Sequence 469, App
c	24	725.6	88.5	2229	9	US-09-895-814-469	Sequence 469, App
c	25	725.6	88.5	2229	13	US-10-012-896-469	Sequence 469, App
c	26	725.6	88.5	2229	14	US-10-010-940-469	Sequence 469, App
c	27	725.6	88.5	2229	16	US-10-144-678A-469	Sequence 469, App
c	28	725.6	88.5	2229	16	US-10-294-025-469	Sequence 469, App
c	29	725.6	88.5	2426	9	US-09-759-143-470	Sequence 470, App
c	30	725.6	88.5	2426	9	US-09-780-669-470	Sequence 470, App
c	31	725.6	88.5	2426	9	US-09-822-827-470	Sequence 470, App
c	32	725.6	88.5	2426	9	US-09-895-793-470	Sequence 470, App
c	33	725.6	88.5	2426	9	US-09-895-814-470	Sequence 470, App
c	34	725.6	88.5	2426	13	US-10-012-896-470	Sequence 470, App
c	35	725.6	88.5	2426	14	US-10-010-940-470	Sequence 470, App
c	36	725.6	88.5	2426	15	US-10-205-823-448	Sequence 448, App
c	37	725.6	88.5	2426	16	US-10-144-678A-470	Sequence 470, App
c	38	725.6	88.5	2426	16	US-10-294-025-470	Sequence 470, App
c	39	725.4	88.5	2037	22	US-10-880-425A-1	Sequence 1, Appli
c	40	725.4	88.5	3582	22	US-10-880-425A-2	Sequence 2, Appli
c	41	725.4	88.5	3923	9	US-09-759-143-690	Sequence 690, App
c	42	725.4	88.5	3923	9	US-09-780-669-690	Sequence 690, App
c	43	725.4	88.5	3923	9	US-09-822-827-690	Sequence 690, App
c	44	725.4	88.5	3923	9	US-09-895-793-690	Sequence 690, App
c	45	725.4	88.5	3923	9	US-09-895-814-690	Sequence 690, App

ALIGNMENTS

RESULT 1
US-09-957-708-3
; Sequence 3, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Hervé
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; PRIOR FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-957-708-3

Query Match 99.8%; Score 818.72; DB 10; Length 876;
Best Local Similarity 100.0%; Pred. No. 1e-235;
Matches 820; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGAAGCTGGCATCAGAAAAACAGAGCGGAGATTGTGTGGCTGCAGCCGAGGACACG 60
|||||

Db 30 AGAAGCTGGGATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 89
QY 61 GAAGATCTGCATGGTGGGAGGACCTGTGATACAGAGGTGAGAAATAAGAAAGGCTGCT 120
Db 90 GAAGATCTGCATGGTGGGAGGACCTGTGATACAGAGGTGAGAAATAAGAAAGGCTGCT 149
QY 121 GACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAC 180
Db 150 GACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAAC 209
QY 181 ACCAGATGACATATAATGCTTCTAGTAGTACATGTTTTTTCGACATTTCCAGCCCCCTTT 240
Db 210 AGCAAGTACATATAATGCTTCTAGTAGTACATGTTTTTTCGACATTTCCAGCCCCCTTT 269
QY 241 AAATATCCACACACACAGGAAGCACAAGAGGAGACACAGAGATCCCTGGGAGAAATGCC 300
Db 270 AAATATCCACACACACAGGAAGCACAAGAGGAGACACAGAGATCCCTGGGAGAAATGCC 329
QY 301 GGCCGCCATCTTGGGTATCATGATGAGCCTCGCCCTGTGCTGGTCCCGTCTGTGAGGGAA 360
Db 330 GGCCGCCATCTTGGGTATCATGATGAGCCTCGCCCTGTGCTGGTCCCGTCTGTGAGGGAA 389
QY 361 GGACATTTAGAAATGAATTTGATGTCTTAAAGATGGCAGGAGAAACAGATCCTGTT 420
Db 390 GGACATTTAGAAATGAATTTGATGTCTTAAAGATGGCAGGAGAAACAGATCCTGTT 449
QY 421 GTGGATATTTATTTGAACGGGATTACAGATTTGAAATGAAGTCAAAAAGTGAGCATTTACC 480
Db 450 GTGGATATTTATTTGAACGGGATTACAGATTTGAAATGAAGTCAAAAAGTGAGCATTTACC 509
QY 481 AATGAGAGAAACACAGACAGAAAAATCTTTGATGGCTTCAAGAGATGCAACAAAA 540
Db 510 AATGAGAGAAACACAGACAGAAAAATCTTTGATGGCTTCAAGAGATGCAACAAAA 569
QY 541 TGGATACTGTGATGACATGAGCGCAAGCTGGGAGAGATAACACGGGGCAGAG 600
Db 570 TGGATACTGTGATGACATGAGCGCAAGCTGGGAGAGATAACACGGGGCAGAG 629
QY 601 GTCAGGATTTCTGGCCCTGTGCTTAACTGTGGCTTCAAAACAAATCATTTTCAATTTTC 660
Db 630 GTCAGGATTTCTGGCCCTGTGCTTAACTGTGGCTTCAAAACAAATCATTTTCAATTTTC 689
QY 661 TAACCTCAAAACAAAGCTGTGTATATCTGATCTCTACGGTTCCTTCTGGGCCCAACA 720
Db 690 TAACCTCAAAACAAAGCTGTGTATATCTGATCTCTACGGTTCCTTCTGGGCCCAACA 749
QY 721 TTCTCATATATCCAGCCACACTCATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 780
Db 750 TTCTCATATATCCAGCCACACTCATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 809
QY 781 CTTTCTACACTGTAGATAACATTAATCTCATTTTGTTCAAA 820
Db 810 CTTTCTACACTGTAGATAACATTAATCTCATTTTGTTCAAA 849

RESULT 2

US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12.
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Query Match 99.0%; Score 812; DB 9; Length 812;
Best Local Similarity 100.0%; Pred. No. 1e-233;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGAAGA 753
QY 66 TCTGCATGCTGGGAGGACCTGTGATGATACAGAGGTGAGAAATAAGAAAGGCTGTGACTT 125
Db 752 TCTGCATGCTGGGAGGACCTGTGATGATACAGAGGTGAGAAATAAGAAAGGCTGTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 185
Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 633
QY 186 GATGACATATAATGTCTTAAGTGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATA 245
Db 632 GATGACATATAATGTCTTAAGTGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATA 573
QY 246 TCCACACACACAGGAAGCACAAGAGGAGACACAGAGATCCCTGGGAGAAATGCCCGGCG 305
Db 572 TCCACACACACAGGAAGCACAAGAGGAGACACAGAGATCCCTGGGAGAAATGCCCGGCG 513
QY 306 CCATCTGGGTCTCATGATGAGCCTCGCCCTGTGCTGGTCCCGTGTGTGAGGAGAGGACA 365
Db 512 CCATCTGGGTCTCATGATGAGCCTCGCCCTGTGCTGGTCCCGTGTGTGAGGAGAGGACA 453
QY 366 TTAGAAATGAATGTGATGTTTTCTTAAAGGATGGGAGGAGAAACAGATCTCTGTTGTGGA 425
Db 452 TTAGAAATGAATGTGATGTTTTCTTAAAGGATGGGAGGAGAAACAGATCTCTGTTGTGGA 393
QY 426 TATTTATTTGAACGGGATTACAGATTTTGAATGAAGTCAAAAAGTGAGCATTTACCAATGA 485
Db 392 TATTTATTTGAACGGGATTACAGATTTTGAATGAAGTCAAAAAGTGAGCATTTACCAATGA 333
QY 486 GAGGAAAAACAGACAGAAAAATCTTTGATGGCTTCAAGACATGCAACAAAATGGA 545
Db 332 GAGGAAAAACAGACAGAAAAATCTTTGATGGCTTCAAGACATGCAACAAAATGGA 273
QY 546 TACTGTGATGATGAGCAGCAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGTCAG 605
Db 272 TACTGTGATGATGAGCAGCAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGTCAG 213
QY 606 GATTCTGGCCCTGTGCTGCTTAACTGTGCTTCAAAACCAAAATCATTTTCAATTTTCAACC 665
Db 212 GATTCTGGCCCTGTGCTGCTTAACTGTGCTTCAAAACCAAAATCATTTTCAATTTTCAACC 153
QY 666 CTCAAAACAAAGCTGTGTGATATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTC 725
Db 152 CTCAAAACAAAGCTGTGTGATATATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTC 93
QY 726 CATATATCCAGCCACACTCATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 785
Db 92 CATATATCCAGCCACACTCATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 33


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Db 752 TCTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAAGGCTGCTGACTT 693
QY 126 TACCATCTGAGGCGACACACTCTCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAA 185
Db 692 TACCATCTGAGGCGACACACTCTCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAA 633
QY 186 GATGACAAATATAATGTCTTAAGTAGTGACATGTTTTTTGCGACATTTCCAGGCCCTTTAAATA 245
Db 632 GATGACAAATATAATGTCTTAAGTAGTGACATGTTTTTTGCGACATTTCCAGGCCCTTTAAATA 573
QY 246 TCCACACACACAGGAGACCAAAAGGACGACAGATCCCTGGGAGAAATGCCCGGCG 305
Db 572 TCCACACACACAGGAGACCAAAAGGAGACGACAGATCCCTGGGAGAAATGCCCGGCG 513
QY 306 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGCTGGTCCGCTTGTGAGGGAAGGACA 365
Db 512 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGCTGGTCCGCTTGTGAGGGAAGGACA 453
QY 366 TTAGAAAATGAATGTGATGTCTTAAAGGATGGGCGAGGAAACAGATCCTGTGTGGA 425
Db 452 TTAGAAAATGAATGTGATGTCTTAAAGGATGGGCGAGGAAACAGATCCTGTGTGGA 393
QY 426 TATTTTATTTGAAAGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA 485
Db 392 TATTTTATTTGAAAGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA 333
QY 486 GAGGAAAACAGACGAGAAAATCTTGATGGCTTCCAAAGACATGCAACAAACAAAATGGAA 545
Db 332 GAGGAAAACAGACGAGAAAATCTTGATGGCTTCCAAAGACATGCAACAAACAAAATGGAA 273
QY 546 TACTGTGATGACATGAGGCGCAAGCTGGGAGGAGATAACCGGGCGAGAGGTCAG 605
Db 272 TACTGTGATGACATGAGGCGCAAGCTGGGAGGAGATAACCGGGCGAGAGGTCAG 213
QY 606 GATTCCTGGCCCTGCTGCTTAAATCTGATCTCTACCGTTTCTTCTGGGCGCAACATTTCTC 665
Db 212 GATTCCTGGCCCTGCTGCTTAAATCTGATCTCTACCGTTTCTTCTGGGCGCAACATTTCTC 93
QY 726 CATATATCCAGGCACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACTTTTC 785
Db 92 CATATATCCAGGCACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACTTTTC 33
QY 786 TACACTGTAGATAAATCACTACTCATTTTGTTC 817
Db 32 TACACTGTAGATAAATCACTACTCATTTTGTTC 1
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RESULT 8

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US-10-010-940-471/c
; Sequence 471, Application US/10010940
; Publication No. US2003008062A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427D3
; CURRENT APPLICATION NUMBER: US/10/010, 940
; CURRENT FILING DATE: 2001-12-05
; NUMBER OF SEQ ID NOS: 575
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-940-471
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Query Match 99.0%; Score 812; DB 14; Length 812;
Best Local Similarity 100.0%; Pred. No. 1e-233;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGCTGCAGCCGAGGAGAGACAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGCTGCAGCCGAGGAGAGACAGGAAGA 753
QY 66 TCTGCATCGTGGGAGGACCTGTATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 125
Db 752 TCTGCATCGTGGGAGGACCTGTATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGAGATAATTAACATCACTAGAAAACAGCAA 185
Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGAGATAATTAACATCACTAGAAAACAGCAA 633
QY 186 GATGACAAATATAATGTCTTAAGTAGTGACATGTTTTTTGCGACATTTCCAGGCCCTTTAAATA 245
Db 632 GATGACAAATATAATGTCTTAAGTAGTGACATGTTTTTTGCGACATTTCCAGGCCCTTTAAATA 573
QY 246 TCCACACACACAGGAGACCAAAAGGAGACGACAGATCCCTGGGAGAAATGCCCGGCG 305
Db 572 TCCACACACACAGGAGACCAAAAGGAGACGACAGATCCCTGGGAGAAATGCCCGGCG 513
QY 306 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGCTGGTCCGCTTGTGAGGGAAGGACA 365
Db 512 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGCTGGTCCGCTTGTGAGGGAAGGACA 453
QY 366 TTAGAAAATGAATGTGATGTCTTAAAGGATGGGCGAGGAAACAGATCCTGTGTGGA 425
Db 452 TTAGAAAATGAATGTGATGTCTTAAAGGATGGGCGAGGAAACAGATCCTGTGTGGA 393
QY 426 TATTTTATTTGAAAGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA 485
Db 392 TATTTTATTTGAAAGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA 333
QY 486 GAGGAAAACAGACGAGAAAATCTTTGATGGCTTCCAAAGACATGCAACAAACAAAATGGAA 545
Db 332 GAGGAAAACAGACGAGAAAATCTTTGATGGCTTCCAAAGACATGCAACAAACAAAATGGAA 273
QY 546 TACTGTGATGACATGAGGCGCAAGCTGGGAGGAGATAACCGGGCGAGAGGTCAG 605
Db 272 TACTGTGATGACATGAGGCGCAAGCTGGGAGGAGATAACCGGGCGAGAGGTCAG 213
QY 606 GATTCCTGGCCCTGCTGCTTAAATCTGATCTCTACCGTTTCTTCTGGGCGCAACATTTCTAACC 665
Db 212 GATTCCTGGCCCTGCTGCTTAAATCTGATCTCTACCGTTTCTTCTGGGCGCAACATTTCTAACC 153
QY 666 CTAAAAACAAAAGCTTTGTAATATCTGATCTCTACCGTTTCTTCTGGGCGCAACATTTCTC 725
Db 152 CTAAAAACAAAAGCTTTGTAATATCTGATCTCTACCGTTTCTTCTGGGCGCAACATTTCTC 93
QY 726 CATATATCCAGGCACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACTTTTC 785
Db 92 CATATATCCAGGCACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACTTTTC 33
QY 786 TACACTGTAGATAAATCACTACTCATTTTGTTC 817
Db 32 TACACTGTAGATAAATCACTACTCATTTTGTTC 1
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RESULT 9

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US-10-144-678A-471/c
; Sequence 471, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
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; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144, 678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-471

Query Match
Best Local Similarity 99.0%; Score 812; DB 16; Length 812;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGA 753

QY 66 TCTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 125
DB 752 TCTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 693

QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATATTAACATCACTAGAAAACAGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATATTAACATCACTAGAAAACAGCAA 633

QY 186 GATGACATATATGCTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATA 245
DB 632 GATGACATATATGCTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATA 573

QY 246 TCCACACACAGGAAGCAGCAAAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGGCG 305
DB 572 TCCACACACAGGAAGCAGCAAAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGGCG 513

QY 306 CCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACA 365
DB 512 CCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACA 453

; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294, 025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-471

Query Match
Best Local Similarity 99.0%; Score 812; DB 16; Length 812;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGA 753

QY 66 TCTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 125
DB 752 TCTGCATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 693

QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATATTAACATCACTAGAAAACAGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATATTAACATCACTAGAAAACAGCAA 633

QY 186 GATGACATATATGCTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATA 245
DB 632 GATGACATATATGCTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATA 573

QY 246 TCCACACACAGGAAGCAGCAAAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGGCG 305
DB 572 TCCACACACAGGAAGCAGCAAAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGGCG 513

QY 306 CCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACA 365
DB 512 CCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACA 453
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QY	812	TTGTTCAAA 820	
Db	2027	TTGTTCAAA 2035	
RESULT 14			
US-09-895-793-468			
; Sequence 468, Application US/09895793			
; Publication No. US20020192763A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqiu			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Darrick			
; APPLICANT: Li, Samuel X.			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William T.			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Hural, John			
; APPLICANT: McNeill, Patricia D.			
; APPLICANT: Houghton, Raymond L.			
; APPLICANT: Vinals de Bassols, Carlota			
; APPLICANT: Foy, Teresa			
; APPLICANT: Fanger, Gary R.			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; FILE REFERENCE: 210121.534C2			
; CURRENT APPLICATION NUMBER: US/09/895, 793			
; CURRENT FILING DATE: 2001-06-29			
; NUMBER OF SEQ ID NOS: 992			
; SOFTWARE: FastSEQ for Windows Version 3.0			
; SEQ ID NO 468			
; LENGTH: 3112			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-895-793-468			
Query Match 88.5%; Score 725.8; DB 9; Length 3112;			
Best Local Similarity 99.7%; Pred. No. 2e-207; 2; Indels 0; Gaps 0;			
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;			
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Db	1307	TAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 1366	
QY	152	AAATGAGATATTACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGTG 211	
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QY	212	ACATGTTTTTGACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCACAAAGG 271	
Db	1427	ACATGTTTTTGACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCACAAAGG 1486	
QY	272	AAGCAGAGATCCCTGGGAGAAATCCCGGGCCCATCTTGGTTCATCGATGAGCCTCG 331	
Db	1487	AAGCAGAGATCCCTGGGAGAAATCCCGGGCCCATCTTGGTTCATCGATGAGCCTCG 1546	
QY	332	CCCTGTCCTGTCCTGCTGTCGAGGAAGGACATTAGAAATGATTCATGTTCCCTT 391	
Db	1547	CCCTGTCCTGTCCTGCTGTCGAGGAAGGACATTAGAAATGATTCATGTTCCCTT 1606	
QY	392	AAAGGATGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTACAGATT 451	
Db	1607	AAAGGATGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTACAGATT 1666	
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; Sequence 468, Application US/09895814			
; Publication No. US20020193296A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqiu			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Darrick			
; APPLICANT: Li, Samuel X.			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William T.			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Hural, John			
; APPLICANT: McNeill, Patricia D.			
; APPLICANT: Houghton, Raymond L.			
; APPLICANT: Vinals de Bassols, Carlota			
; APPLICANT: Foy, Teresa			
; APPLICANT: Fanger, Gary R.			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; FILE REFERENCE: 210121.534C2			
; CURRENT APPLICATION NUMBER: US/09/895, 793			
; CURRENT FILING DATE: 2001-06-29			
; NUMBER OF SEQ ID NOS: 992			
; SOFTWARE: FastSEQ for Windows Version 3.0			
; SEQ ID NO 468			
; LENGTH: 3112			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-895-814-468			
Query Match 88.5%; Score 725.8; DB 9; Length 3112;			
Best Local Similarity 99.7%; Pred. No. 2e-207; 2; Indels 0; Gaps 0;			
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;			
QY	452	TGAAATGAAGTCACAAAGTCAGCAATTACCAATGAGAGAGAAAAACAGACGAGAAAAATCTTTGA 511	
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QY	512	TGGCTTCAAGACATGCAACAAACAAAATGGAATGTAATCTGTGATGACATGAGGCGCCCAAG 571	
Db	1727	TGGCTTCAAGACATGCAACAAACAAAATGGAATGTAATCTGTGATGACATGAGGCGCCCAAG 1786	
QY	572	CTGGGAGGAGATACCAACGCGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACTGT 631	
Db	1787	CTGGGAGGAGATACCAACGCGGCGAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACTGT 1846	
QY	632	GGTTTCATAACCAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCT 691	
Db	1847	GGTTTCATAACCAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCT 1906	
QY	692	GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 751	
Db	1907	GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 1966	
QY	752	ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTACTCATTT 811	
Db	1967	ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTACTCATTT 2026	
QY	812	TTGTTCAAA 820	
Db	2027	TTGTTCAAA 2035	
Query Match 88.5%; Score 725.8; DB 9; Length 3112;			
Best Local Similarity 99.7%; Pred. No. 2e-207; 2; Indels 0; Gaps 0;			
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;			

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OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 81813859 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3497	97.6	3923	4	US-09-636-215-690
2	3497	97.6	3923	4	US-09-685-166A-690
3	3497	97.6	3923	4	US-09-679-426-690
4	3497	97.6	3923	4	US-09-759-143-690
5	3497	97.6	3923	4	US-09-651-236-690
6	1742.2	48.6	3112	3	US-09-439-313-468
7	1742.2	48.6	3112	3	US-09-352-616A-468
8	1742.2	48.6	3112	4	US-09-636-215-468
9	1742.2	48.6	3112	4	US-09-685-166A-468
10	1742.2	48.6	3112	4	US-09-679-426-468
11	1742.2	48.6	3112	4	US-09-759-143-468
12	1742.2	48.6	3112	4	US-09-651-236-468
13	1733.4	48.4	2426	3	US-09-439-313-470
14	1733.4	48.4	2426	3	US-09-352-616A-470
15	1733.4	48.4	2426	4	US-09-636-215-470
16	1733.4	48.4	2426	4	US-09-685-166A-470
17	1733.4	48.4	2426	4	US-09-679-426-470
18	1733.4	48.4	2426	4	US-09-759-143-470
19	1733.4	48.4	2426	4	US-09-651-236-470
20	1717.4	47.9	2229	3	US-09-439-313-469
21	1717.4	47.9	2229	3	US-09-352-616A-469
22	1717.4	47.9	2229	4	US-09-636-215-469
23	1717.4	47.9	2229	4	US-09-685-166A-469
24	1717.4	47.9	2229	4	US-09-679-426-469
25	1717.4	47.9	2229	4	US-09-759-143-469
26	1717.4	47.9	2229	4	US-09-651-236-469
27	722.4	20.2	812	3	US-09-439-313-471

c	28	722.4	20.2	812	3	US-09-352-616A-471	Sequence 471, App
c	29	722.4	20.2	812	4	US-09-636-215-471	Sequence 471, App
c	30	722.4	20.2	812	4	US-09-685-166A-471	Sequence 471, App
c	31	722.4	20.2	812	4	US-09-679-426-471	Sequence 471, App
c	32	722.4	20.2	812	4	US-09-759-143-471	Sequence 471, App
c	33	722.4	20.2	812	4	US-09-651-236-471	Sequence 471, App
c	34	457.2	12.8	718	3	US-09-439-313-313	Sequence 313, App
c	35	457.2	12.8	718	3	US-09-352-616A-313	Sequence 313, App
c	36	457.2	12.8	718	3	US-09-232-149A-313	Sequence 313, App
c	37	457.2	12.8	718	4	US-09-636-215-313	Sequence 313, App
c	38	457.2	12.8	718	4	US-09-685-166A-313	Sequence 313, App
c	39	457.2	12.8	718	4	US-09-688-489-313	Sequence 313, App
c	40	457.2	12.8	718	4	US-09-679-426-313	Sequence 313, App
c	41	457.2	12.8	718	4	US-09-759-143-313	Sequence 313, App
c	42	457.2	12.8	718	4	US-09-651-236-313	Sequence 313, App
c	43	350	9.8	481	4	US-09-621-976-15110	Sequence 15110, A
c	44	319.6	8.9	437	4	US-09-513-999C-10843	Sequence 10843, A
c	45	288.4	8.1	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1
US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Micham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121-42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match	97.6%;	Score 3497;	DB 4;	Length 3923;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 3569;	Conservative	0;	Mismatches 10;	Indels 6; Gaps 6;
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Qy	121	GAATTACACATATACCTAGTCTTTCAATGACCAACCAAGTAATAAGTCAAGGCTA	180	
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Db 3478 TAAACTTGTCTGAAATTAAGTTTTCATAAAATCTGCTGTAATAATCTTTTCTTACA 3537
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Db 3538 GTGCTCTGCGTACTATATCAACTTTTGTATCTTTGTTTACAACCTTT 3582

RESULT 2
US-09-685-166A-690
; Sequence 690, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-685-166A-690

Query Match 97.6%; Score 3497; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

QY 1 ACAGAGAAATAGCAAGTCCGAGAAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60
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Db 61 GGCTCAGCCGAGGAGGAGACCAAGATCTGCATGGTGGGAGGACCTGATATACAGAG 120
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Db 121 GAATTAACAACATATCTTGTGTTTCAATGAACACCAAGATAAATAAGTCAAGAGCTA 180
QY 181 GTCCGCTGTAGTCTCTCAGTGACACAGGGCTGGATCCATCCACGCGCACTTTCTGAG 240
Db 181 GTCCGCTGTAGTCTCTCAGTGACACAGGGCTGGATCCATCCACGCGCACTTTCTGAG 240
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Db 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
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DB |||||
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DB 781 GCAGAGGTCAGGATCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
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DB 2041 AATAAGAAATTTACAGAGCTACTCAGGACAGTGTGTTAGAGCTCTGTGTGTGTGT 2100
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RESULT 3

US-09-679-426-690
; Sequence 690, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-679-426-690

Query Match 97.6%; Score 3497; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

QY 1 ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGT 60
Db 1 ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGT 60
QY 61 GGCCTCAGCCGAGGAGACAGAGATCTGATGTTGGGAGGAGCTGATGATACAGAG 120
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QY 121 GAATTACAAACATATCTTCTGTTCAATCAACCAAGATTAATAGTGAAGAGCTA 180
Db 121 GAATTACAAACATATCTTCTGTTCAATCAACCAAGATTAATAGTGAAGAGCTA 180
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGAG 240
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QY 241 TACTCAGTGACCAAGAAAGACTACAGACATCTCAATGGGAGGGGTGAGAAATAGAAA 300
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QY |||||
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QY 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
DB |||||
781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
QY 841 ATATTTCTTAACCTCAAAAACAAAGCTGTGTGTAATCTGATCTCTACGGTTCCTCTCTGGG 900
DB |||||
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QY 1021 GCTGCTAATATGTAGCTGACTGTTTCTTAAGAGTGTCTGCGCCAGGGGATCTGTG 1080
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QY 1321 ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT 1380
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QY 1741 GGGAAATTTTATGGGGCACGTTTGAAGCCTGGGATGTGAAGCAAGGAGGAAACCTCA 1800
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QY 2641 TAAGAACTCTCAGTGATATCAACATTTAGGATTTCAAGAAATATTTAGATTTTAAAGCTCA 2700
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Qy 2881 GACACATATTAGCTCTGAGCTCTGCTTCCACGACTTTATCTTTCTCCACACATCGC 2940
Db 2881 GACACATATTAGCTCTGAGCTCTGCTTCCACGACTTTATCTTTCTCCACACATCGC 2940
Qy 2941 TTACCAATCTCTCTCTGCTCTGCTTTGGACTTCCCAACAGAAATTTCAACGACTCT 3000
Db 2941 TTACCAATCTCTCTCTGCTCTGCTTTGGACTTCCCAACAGAAATTTCAACGACTCT 3000
Qy 3001 CAAGCTTTTCTCCATCCCAACCACTAAGCTGAATGCTAGACCTTATTTTATTA 3060
Db 3001 CAAGCTTTTCTCCATCCCAACCACTAAGCTGAATGCTAGACCTTATTTTATTA 3060
Qy 3061 TTTCCAAATAGATGCTGCTATGGCTTAATATGCTTTAGATGAACATTAAGATTTAAAG 3120
Db 3061 TTTCCAAATAGATGCTGCTATGGCT-ATATGCTTTAGATGAACATTAAGATTTAAAG 3118
Qy 3121 TCTAAGAGGTTCAAAATCCAACCTCATTTCTCTTTTCCACCTCCCTGCTCTCT 3180
Db 3119 CTCAGAGGTTCAAAATCCAACCTCATTTCTCTTTTCTTTTCTTTTCTTTTCT 3177
Qy 3181 CCTATATTACTGATG-ACTGAACAGGATGCTCCCA- GATGCAAGTCAAAATGAGAAA 3238
Db 3178 CCTATATTACTGATGCTGAACAGGATGCTCCCAATGTAGCCATGCAAAATGAGAAA 3237
Qy 3239 CCCAGTGGCTCTGTTGGATCATGATGCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
Db 3238 CCCAGTGGCTCTGTTGGTACATGATGCAAGACTGCTGAAGCCAGGATGACTGATT 3297
Qy 3298 ACGCTCATGGGTGGAGGGGACCACTCTCGGGCTTCTGATTTGTGAGGAGCAAGACCTG 3357
Db 3298 ACGCTCATGGGTGGAGGGGACCACTCTCGGGCTTCTGATTTGTGAGGAGCAAGACCTG 3357
Qy 3358 AGATGCTCCCTGCTTCACTGCTCTGATCTCTGATCTCTCTTCTTAATGAAGATCAATGAAT 3417
Db 3358 AGATGCTCCCTGCTTCACTGCTCTGATCTCTGATCTCTCTTCTTAATGAAGATCAATGAAT 3417
Qy 3418 TTGCTACATTTGAGAAATCCAAATAGGAATCAATGTTTATCTGCTTCAATTTT 3477
Db 3418 TTGCTACATTTGAGAAATCCAAATAGGAATCAATGTTTATCTGCTTCAATTTT 3477
Qy 3478 TAAACTTGTGAAAAATTAAGTTTTTCAAAATCTGCTTGTAAATTAATTTTCTTACA 3537
Db 3478 TAAACTTGTGAAAAATTAAGTTTTTCAAAATCTGCTTGTAAATTAATTTTCTTACA 3537
Qy 3538 GTGCTTGGCATACTATATCAACTTTGATCTTTGTTTAACTTT 3582
Db 3538 GTGCTTGGCATACTATATCAACTTTGATCTTTGTTTAACTTT 3582
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RESULT 4

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US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
```

```
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690
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Query Match 97.6%; Score 3497; DB 4; Length 3923;

Best Local Similarity 99.6%; Pred No. 0;

Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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Qy 1 ACAGAGAATAAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db 1 ACAGAGAATAAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Qy 61 GGCTGAGCCGAGGAGGAGACAGGAAGATCTGATGTTGGGAAGGACCTGATGATACAG 120
Db 61 GGCTGAGCCGAGGAGGAGACAGGAAGATCTGATGTTGGGAAGGACCTGATGATACAG 120
Qy 121 GAATTACAAACATATCTAGTGTTCATCAACCAAGATTAATAAGTGAAGAGCTA 180
Db 121 GAATTACAAACATATCTAGTGTTCATCAACCAAGATTAATAAGTGAAGAGCTA 180
Qy 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCAACCATCGACGGCCTTTCTG 240
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCAACCATCGACGGCCTTTCTG 240
Qy 241 TACTCAGTGACAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAA 300
Db 241 TACTCAGTGACAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAA 300
Qy 301 GGCTGCTGACTTTTACCCTCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACAT 360
Db 301 GGCTGCTGACTTTTACCCTCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACAT 360
Qy 361 TAGAAACAGCAAGATGACAAATAATGTCTAAGTAGTGACATGTTTTCACATTTCCAG 420
Db 361 TAGAAACAGCAAGATGACAAATAATGTCTAAGTAGTGACATGTTTTCACATTTCCAG 420
Qy 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAGGACAGAGATCCCTGGGAGA 480
Db 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAGGACAGAGATCCCTGGGAGA 480
Qy 481 AATGCCCGCGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTGCTGCTGCTGCTGCTGCT 540
Db 481 AATGCCCGCGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTGCTGCTGCTGCTGCTGCT 540
Qy 541 GAGGGAAGGACATTAAGAAAAATGAATTTGATGTTTCTTAAAGGATGGGAGGAAACAGA 600
Db 541 GAGGGAAGGACATTAAGAAAAATGAATTTGATGTTTCTTAAAGGATGGGAGGAAACAGA 600
Qy 601 TCCTGTTGATATTTTAAATGAAAGGATTAAGATTTGAAATGAAGTCAAAAGTGAG 660
Db 601 TCCTGTTGATATTTTAAATGAAAGGATTAAGATTTGAAATGAAGTCAAAAGTGAG 660
Qy 661 CATTACCAATGAGAGGAAACAGACAGAAAAATCTTGTGCTTCCACAGACATGCAACA 720
Db 661 CATTACCAATGAGAGGAAACAGACAGAAAAATCTTGTGCTTCCACAGACATGCAACA 720
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Qy	901	CCCAACATTTCTCCATATATCCAGCCACACCTCATTTTAAATTTAGTTCCTCCAGATCTGTA	960
Db	901	CCCAACATTTCTCCATATATCCAGCCACACCTCATTTTAAATTTAGTTCCTCCAGATCTGTA	960
Qy	961	CTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTCAAAGACCCCTTCGTGTT	1020
Db	961	CTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTCAAAGACCCCTTCGTGTT	1020
Qy	1021	GCTGCCTAATATGTAGCTGACTGTTTTTTCCTAAGAGTGTTCCTGGCCAGGGGATCTGTG	1080
Db	1021	GCTGCCTAATATGTAGCTGACTGTTTTTTCCTAAGAGTGTTCCTGGCCAGGGGATCTGTG	1080
Qy	1081	AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATCTTACTACTAGCACACAGCATGA	1140
Db	1081	AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATCTTACTACTAGCACACAGCATGA	1140
Qy	1141	TCATTACGGAGTGAATTAATCTAAATCAACATCATCTCAGTGTCTTTGCCCATACTGAAAT	1200
Db	1141	TCATTACGGAGTGAATTAATCTAAATCAACATCATCTCAGTGTCTTTGCCCATACTGAAAT	1200
Qy	1201	TCATTTCCCATTTTGTGGCCCATCTCTCAAGACCTCAAAATGTCAATCCATTAATATCAC	1260
Db	1201	TCATTTCCCATTTTGTGGCCCATCTCTCAAGACCTCAAAATGTCAATCCATTAATATCAC	1260
Qy	1261	GGATTAACTTTTTTTTTTAACTCGGAAGAAATCAATGTTCATGTCAGCTATGGGAATTTA	1320
Db	1261	GGATTAACTTTTTTTTTTAACTCGGAAGAAATCAATGTTCATGTCAGCTATGGGAATTTA	1320
Qy	1321	ATTTACATATTTTGTTTTCCAGTGCAAAAGATGACTAAGTCTCTTTATCCCTCCCCTTTGTTT	1380
Db	1321	ATTTACATATTTTGTTTTCCAGTGCAAAAGATGACTAAGTCTCTTTATCCCTCCCCTTTGTTT	1380
Qy	1381	GATTTTTTTTTTCCAGTATAAAGTAAATGCTTAGCCCTTGTACTGAGGCTCTATACAGCAC	1440
Db	1381	GATTTTTTTTTTCCAGTATAAAGTAAATGCTTAGCCCTTGTACTGAGGCTCTATACAGCAC	1440
Qy	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCATCAACCCCTCCCATACCACT	1500
Db	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCATCAACCCCTCCCATACCACT	1500
Qy	1501	AAAACAAATCTAACTGTAAATTCCTTGAAACATGTTCAGGACATACATTTTCTTCTGCGCT	1560
Db	1501	AAAACAAATCTAACTGTAAATTCCTTGAAACATGTTCAGGACATACATTTTCTTCTGCGCT	1560
Qy	1561	GAGAAGCTCTTCTCTGTCTCTTAAATCTAGAATGATGTAAAGTTTGAATAAGTTGACTA	1620
Db	1561	GAGAAGCTCTTCTCTGTCTCTTAAATCTAGAATGATGTAAAGTTTGAATAAGTTGACTA	1620
Qy	1621	TCTTACTTCATGCAAAAGAGGACACATATGAGATTCAATCATCATGAGACAGCAAAATA	1680
Db	1621	TCTTACTTCATGCAAAAGAGGACACATATGAGATTCAATCATCATGAGACAGCAAAATA	1680
Qy	1681	CTAAAAGTGAATTTGATTATAACAGTTTATAGATAAATATATGAAATCAAGAGCCACAGA	1740
Db	1681	CTAAAAGTGAATTTGATTATAACAGTTTATAGATAAATATATGAAATCAAGAGCCACAGA	1740
Qy	1741	GGGAATGTTTATGGGACCGTTTGTAAAGCCTGGGATGTGAAGCAAAAGGCGAGGAACTCA	1800
Db	1741	GGGAATGTTTATGGGACCGTTTGTAAAGCCTGGGATGTGAAGCAAAAGGCGAGGAACTCA	1800
Qy	1801	TAGTATCTTATATAATATATCTTCAATTTCTTATCTCTATCACATATCCAACAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATATCTTCAATTTCTTATCTCTATCACATATCCAACAGCTTTT	1860
Qy	1861	CACAGAATTCATGCAGTGCAAAATCCCCAAAGGTAAACCTTTTATCATTTCAATGAGTGC	1920
Db	1861	CACAGAATTCATGCAGTGCAAAATCCCCAAAGGTAAACCTTTTATCATTTCAATGAGTGC	1920
Qy	1921	GCTTTAGAAATTTTGGGCAAAATCATACTGGTGCACTTATCTCAACTTTGAGATGTTGTTGCC	1980
Db	1921	GCTTTAGAAATTTTGGGCAAAATCATACTGGTGCACTTATCTCAACTTTGAGATGTTGTTGCC	1980

Qy	1981	TTGTAGTTAAATTGAAGAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCTCTGGC	2040
Db	1981	TTGTAGTTAAATTGAAGAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCTCTGGC	2040
Qy	2041	ATAAAGAAATTTACAAGAGCTACTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGTGT	2100
Db	2041	ATAAAGAAATTTACAAGAGCTACTCAGGACCAAGTTGTTAAGAGCTCTGTGTGTGTGTGT	2100
Qy	2101	GTGTGTGTGTGTGATGATGATGCCAAAGTGTGCTCTCTCTCTTTGACCCATTAATTTACAG	2160
Db	2101	GTGTGTGTGTGTGATGATGATGCCAAAGTGTGCTCTCTCTCTTTGACCCATTAATTTACAG	2160
Qy	2161	TTAABAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCACCATAT	2220
Db	2161	TTAABAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCACCATAT	2220
Qy	2221	CTCAATTTTCTCCAGTAAATGTGATAAATGTCAATCTGTTAAACATAAAAAAGTTTGAC	2280
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Qy	2281	TTCAAAAAGCAGCTGGAAATGGAACAACAATATGCATAAATCTAACTCCTACCATCA	2340
Db	2281	TTCAAAAAGCAGCTGGAAATGGAACAACAATATGCATAAATCTAACTCCTACCATCA	2340
Qy	2341	GCTACACACTGCTTGACATATATTTTGAAGCACCTCGCATTTCTGGGTTCTCTTTAAGC	2400
Db	2341	GCTACACACTGCTTGACATATATTTTGAAGCACCTCGCATTTCTGGGTTCTCTTTAAGC	2400
Qy	2401	AAATACTTGCAATTAGGTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460
Db	2401	AAATACTTGCAATTAGGTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460
Qy	2461	TTCTCAGCAGAAGCCAGAAATTTGAAATCCCTCATCTTTTAGGAATCATTTACAGGTTTG	2520
Db	2461	TTCTCAGCAGAAGCCAGAAATTTGAAATCCCTCATCTTTTAGGAATCATTTACAGGTTTG	2520
Qy	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCATAATGTCTCTGAACTTCTGTCCCTCTTTG	2580
Db	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACATAATGTCTCTGAACTTCTGTCCCTCTTTG	2580
Qy	2581	TGTTTCATGATAGTCCAAATAAATATGTTATCTTTTGAAGTGTCTCATAGAGAGAGATA	2640
Db	2581	TGTTTCATGATAGTCCAAATAAATATGTTATCTTTTGAAGTGTCTCATAGAGAGAGATA	2640
Qy	2641	TAAGAACTCTGAGTGATATCAACATTTAGGGATTCAAAGAAATATTAGATTTAAGCTCACA	2700
Db	2641	TAAGAACTCTGAGTGATATCAACATTTAGGGATTCAAAGAAATATTAGATTTAAGCTCACA	2700
Qy	2701	CTGGTCAAAAGGNAACAAGATCAAAAGAACTCTGAGCTGTATCTGTCCCATCTCTGTGA	2760
Db	2701	CTGGTCAAAAGGNAACAAGATCAAAAGAACTCTGAGCTGTATCTGTCCCATCTCTGTGA	2760
Qy	2761	GCCACAACCAACAGCAGGAGCCAAACGATGCTGAGATCCTTTAAATCAAGGAAACAGTGT	2820
Db	2761	GCCACAACCAACAGCAGGAGCCAAACGATGCTGAGATCCTTTAAATCAAGGAAACAGTGT	2820
Qy	2821	TCATGATTTGAAATTCCTCTATTTATGATGCTAGCTTTCTGGCCATCTCTGGCTCTCTCTT	2880
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Qy	2881	GACACATATTAGCTTCTAGCCTTTGCTTCCACAGCTTTTATCTTTTCTCCACACATCGC	2940
Db	2881	GACACATATTAGCTTCTAGCCTTTGCTTCCACAGCTTTTATCTTTTCTCCACACATCGC	2940
Qy	2941	TTACCAATCCTCTCTCTGTCTGTTTGTGACTTCCCCACAAGAAATTTTCAACGACTCT	3000
Db	2941	TTACCAATCCTCTCTCTGTCTGTTTGTGACTTCCCCACAAGAAATTTTCAACGACTCT	3000
Qy	3001	CAAGTCTTTTCTTCCATCCCAACCACTAACCCTGAAATTCGCTAGAGCCCTTATTTTATTA	3060
Db	3001	CAAGTCTTTTCTTCCATCCCAACCACTAACCCTGAAATTCGCTAGAGCCCTTATTTTATTA	3060
Qy	3061	TTTCCAAATAGAGTCTGCCCTATGGGCTTAATATTGCTTTTAGATGAAATATGATATTAAAG	3120

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Db 3119 CTCAAGAGGTTCAAAATCCAACCTCAITATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3177
Qy 3181 CCTATATATCTGATG-CTGAACAGGATGCTGCCAA-GATGCCAGTCAAAATGAGAAA 3238
Db 3178 CCTATATATCTGATGCTGAACAGGATGCTGCCAAATGATGATGATGATGATGATGATGATGATG 3237
Qy 3239 CCAGTGGCTCTCTGTTGGATCATGCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
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Db 3298 AGCCTCATGTTGGTGGAGGACCACTCTGGGGCTCTCGTGAATTTGTGAGGAGCAAGACCTG 3357
Qy 3358 AGATGCTCCCTGCTCAGTGTCTCTGATCTCTGATCTCTGATCTCTGATCTCTGATCTCTGATCT 3417
Db 3358 AGATGCTCCCTGCTCAGTGTCTCTGATCTCTGATCTCTGATCTCTGATCTCTGATCTCTGATCT 3417
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Db 3478 TAAACTTGCTGAAATTAAGTTTCTCTGATCTCTGATCTCTGATCTCTGATCTCTGATCTCTGATCT 3537
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Db 3538 GTGCTTGGAATCAATATCAACTTTGATCTTTGTTTACAACCTT 3582

RESULT 6

US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505

GENERAL INFORMATION:

; APPLICANT: Xu, Jianshun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

; CURRENT FILING DATE: 1999-11-12

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 468

; LENGTH: 3112

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-439-313-468

Query Match 48.6%; Score 1742.2; DB 3; Length 3112;

Best Local Similarity 99.4%; Pred. No. 0;

Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

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Db 1302 TCACTAAATAGTGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC 1361

Qy 334 TCCTGAATGGAGATAATTAACATCACTAGAAAACGCAAGATGACAATATAATGTCTAAG 393
Db 1362 TCCTGAATGGAGATAATTAACATCACTAGAAAACGCAAGATGACAATATAATGTCTAAG 1421
Qy 394 TAGTGACATGTTTTTGGACATTTCCAGCCCCCTTTAAATATCCACACACACAGGAACACA 453
Db 1422 TAGTGACATGTTTTTGGACATTTCCAGCCCCCTTTAAATATCCACACACACAGGAACACA 1481
Qy 454 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTCTCATGTGAG 513
Db 1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTCTCATGTGAG 1541
Qy 514 CCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 573
Db 1542 CCTCGCCCTGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1601
Qy 574 TCCTTAAAGAGTGGGCGAGGAAAACAGATCCTGTTGTGGATATTTTATTTCAACGGGATTAC 633
Db 1602 TCCTTAAAGAGTGGGCGAGGAAAACAGATCCTGTTGTGGATATTTTATTTCAACGGGATTAC 1661
Qy 634 AGATTTGAAATGAAGTCAAAAGTGAGCATTAACAATGAGAGGAAAACAGACGAGAAAAT 693
Db 1662 AGATTTGAAATGAAGTCAAAAGTGAGCATTAACAATGAGAGGAAAACAGACGAGAAAAT 1721
Qy 694 CTGTATGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCAG 753
Db 1722 CTGTATGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCAG 1781
Qy 754 CCAAGCTGGGAGGAGATAACCAACGGGCGAGAGGCTCAGGATCTGGCCCTCTGCTCTAA 813
Db 1782 CCAAGCTGGGAGGAGATAACCAACGGGCGAGAGGCTCAGGATCTGGCCCTCTGCTCTAA 1841
Qy 814 ACTGTGCGTTTCAATACCAAAATCATTTTCAATTTTAAACCCCTCAAAACAAAGCTGTTGTA 873
Db 1842 ACTGTGCGTTTCAATACCAAAATCATTTTCAATTTTAAACCCCTCAAAACAAAGCTGTTGTA 1901
Qy 874 TATCTGATCTCTACGGTTCCTTCGGGCGCAACATTTCTCCATATATCCAGCCACACTCAT 933
Db 1902 TATCTGATCTCTACGGTTCCTTCGGGCGCAACATTTCTCCATATATCCAGCCACACTCAT 1961
Qy 934 TTTTAATATTTAGTTCCAGATCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 993
Db 1962 TTTTAATATTTAGTTCCAGATCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2021
Qy 994 TCAITTTGTTCAAAGACCCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1053
Db 2022 TCAITTTGTTCAAAGACCCCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2081
Qy 1054 GGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTTCCAG 1113
Db 2082 GGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTTCCAG 2141
Qy 1114 GGTATATCTTACTACACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT 1173
Db 2142 GGTATATCTTACTACACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT 2201
Qy 1174 CCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATTTCTCAAGACC 1233
Db 2202 CCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATTTCTCAAGACC 2261
Qy 1234 TCAAAATGTCAATTCATTAATATCAAGATTAATCTTTTTTTTTTAACTGGAAGATTC 1293
Db 2262 TCAAAATGTCAATTCATTAATATCAAGATTAATCTTTTTTTTTTAACTGGAAGATTC 2321
Qy 1294 TATGTTACATGAGCTATGGGAATTTAATATCATATTTTGTGTTTCCAGTGAAGATGAC 1353
Db 2322 TATGTTACATGAGCTATGGGAATTTAATATCATATTTTGTGTTTCCAGTGAAGATGAC 2381
Qy 1354 TAAAGTCTTTATCCCTCCCTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 1413
Db 2382 TAAAGTCTTTATCCCTCCCTTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTT 2441
Qy 1414 GCCTTGTACTAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCT 1472

Db	2442	GCCTTGATGAGGCTGTATACGCCACAGCCTCTCCCATCTCCCTCAGCCTTATCTGTC	2501
Qy	1473	ATCACCATCAACCCCTCCCATACCACTAAACAAAATCTAACTTGTAATTCCTTGAACAT	1532
Db	2502	ATCACCATCAACCCCTCCCAT - GCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT	2560
Qy	1533	GTCAAGACATACATATTCCTTCCTGCTGAGAGCTCTCTTGCTCTCTTAAATCTAGAA	1592
Db	2561	GTCAAG - CATACATATTCCTTCCTGCTGAGAGCTCTCTTGCTCTCTTAAATCTAGAA	2619
Qy	1593	TGATGTAAGGTTTTGAAATAAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGA	1652
Db	2620	TGATGTAAGGTTTTGAAATAAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGA	2679
Qy	1653	GATTCATCATCATGATGAGACGCAAACTATAAAGTGTAATTTGATTTATAAGAGTTTAGA	1712
Db	2680	GATTCATCATCATGATGAGACGCAAACTATAAAGTGTAATTTGATTTATAAGAGTTTAGA	2739
Qy	1713	TAAATATATGAAATGCAAGAGCCACAGAGGGAATGTTTTATGGGCACGTTTGTAAAGCCTG	1772
Db	2740	TAAATATATGAAATGCAAGAGCCACAGAGGGAATGTTTTATGGGCACGTTTGTAAAGCCTG	2799
Qy	1773	GGATGGAAGCAAGGACGAGGAACCTCATATGATATCTTATATATATATCTCATTTCTCTA	1832
Db	2800	GGATGGAAGCAAGGACGAGGAACCTCATATGATATCTTATATATATATCTCATTTCTCTA	2859
Qy	1833	TCCTATCACAATATCCAAACAGCTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAAGG	1892
Db	2860	TCCTATCACAATATCCAAACAGCTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAAGG	2919
Qy	1893	TAACTTTATCCATTTCAATGGTGAGTGGCTTTAGAAATTTTGGCAAAATCATATCTGPTCAC	1952
Db	2920	TAACTTTATCCATTTCAATGGTGAGTGGCTTTAGAAATTTTGGCAAAATCATATCTGPTCAC	2979
Qy	1953	TTATCTCAACTTTTGAGATGTTTTGTCCTTGTTAGTTAAATTTGAAAGAAATATAGGGCACCTTT	2012
Db	2980	TTATCTCAACTTTTGAGATGTTTTGTCCTTGTTAGTTAAATTTGAAAGAAATATAGGGCACCTTT	3039
Qy	2013	GTGAGCCACTTTTAGGTTTCACTCTCTGCAATATAAGAAATTTTACAAGAGCTA	2063
Db	3040	GTGAGCCACTTTTAGGTTTCACTCTCTGCAATATAAGAAATTTTACAAGAGCTA	3090

RESULT 7

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US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

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Db	1302	TCAACTAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC	1361
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Db	1362	TGCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATAATGTCTTAAG	1421
Qy	394	TAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATATCCACACACAGAGAACGACA	453
Db	1422	TAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATATCCACACACAGAGAACGACA	1481
Qy	454	AAAGGAACACAGAGATCCCTGGGAGAAAAATGCCCGCGCCATCTTGGGTATCTCGATGAG	513
Db	1482	AAAGGAACACAGAGATCCCTGGGAGAAAAATGCCCGCGCCATCTTGGGTATCTCGATGAG	1541
Qy	514	CCTCGCCCTGTGCTTGCTCCGCTTGTGAGGGAAGACATTTAGAAAAATGAATGATGTGT	573
Db	1542	CCTCGCCCTGTGCTTGCTCCGCTTGTGAGGGAAGACATTTAGAAAAATGAATGATGTGT	1601
Qy	574	TCCTTAAAGATGGCGAGGAAAAACAGATCTGTGTGTGGATATTTATTGAAACGGGATTAC	633
Db	1602	TCCTTAAAGATGGCGAGGAAAAACAGATCTGTGTGTGGATATTTATTGAAACGGGATTAC	1661
Qy	634	AGATTTGAAATGAAGTCACAAAGTGACATTAACAATGAGAGGAAAAACAGACGAGAAAAAT	693
Db	1662	AGATTTGAAATGAAGTCACAAAGTGACATTAACAATGAGAGGAAAAACAGACGAGAAAAAT	1721
Qy	694	CTTGATGGCTTCACAGACATGCAACAAACAAAATGGAATACCTGTGATGACATGAGGCAG	753
Db	1722	CTTGATGGCTTCACAGACATGCAACAAACAAAATGGAATACCTGTGATGACATGAGGCAG	1781
Qy	754	CCAAGCTGGGGAGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCTAA	813
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Qy	814	ACTGTGGGTTCAATAACAAATCATTTTCATATTTCTTAACCCCTCAAAACAAAGCTGTTGTAA	873
Db	1842	ACTGTGGGTTCAATAACAAATCATTTTCATATTTCTTAACCCCTCAAAACAAAGCTGTTGTAA	1901
Qy	874	TATCTGATCTCTACGGTTCCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAT	933
Db	1902	TATCTGATCTCTACGGTTCCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAT	1961
Qy	934	TTTTTAATATTTAGTTCACAGATCTGATCTGACCTTTCTACCTGTGAGAAATAACATTAAC	993
Db	1962	TTTTTAATATTTAGTTCACAGATCTGATCTGACCTTTCTACCTGTGAGAAATAACATTAAC	2021
Qy	994	TCATTTTGTTCAAAGACCCCTCGTGTGCTGCGCTTAATATGTAGCTGACTGTTTTTCTCTAA	1053
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Qy	1054	GGAGTGTTCTGGCCACAGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCCAG	1113
Db	2082	GGAGTGTTCTGGCCACAGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCCAG	2141
Qy	1114	GGTTATACTTTACAGACACAGCATGATCATTTACGGAGTGAATTTCTATCAACATCAT	1173
Db	2142	GGTTATACTTTACAGACACAGCATGATCATTTACGGAGTGAATTTCTATCAACATCAT	2201
Qy	1174	CCTCAGTGCTTTTGCCCATACTGAAATTCATTTTCCACTTTTGTGCCATTTCTCAAGACC	1233
Db	2202	CCTCAGTGCTTTTGCCCATACTGAAATTCATTTTCCACTTTTGTGCCATTTCTCAAGACC	2261
Qy	1234	TCAAAATGTCATTTCCATTAATATACAGGATTAACCTTTTTTTTTTTTAAACCTGGAGAAATTC	1293
Db	2262	TCAAAATGTCATTTCCATTAATATACAGGATTAACCTTTTTTTTTTTTAAACCTGGAGAAATTC	2321
Qy	1294	AATGTTACATGACGATATGGGAATTTAAATPACATATTTTGTGTTTTTCCAGTCCAAAGATGAC	1353
Db	2322	AATGTTACATGACGATATGGGAATTTAAATPACATATTTTGTGTTTTTCCAGTCCAAAGATGAC	2381
Qy	1354	TAAGTCTCTTTATCCCTCCCTTTTGTGTGATTTTTTTTTTCCAGTATAAAGTTAAATGCTTA	1413
Db	2382	TAAGTCTCTTTATCCCTCCCTTTTGTGTGATTTTTTTTTTCCAGTATAAAGTTAAATGCTTA	2441

1414	Qy	GCCTTGACTGAGGCTGTATACAG-CACAGCCTCTCCCACTCCCTCCAGGCTTATCTGTC	1472
2442	Db	GCCTTGACTGAGGCTGTATACGCCACAGCCTCTCCCAATCCCTCCAGGCTTATCTGTC	2501
1473	Qy	ATCACCATCAACCCCTCCCATACACCTAAACAAAATCTAACTGTGTAATTCCTTTGAACAT	1532
2502	Db	ATCACCATCAACCCCTCCCAT-GCACCTAAACAAAATCTAACTGTGTAATTCCTTTGAACAT	2560
1533	Qy	GTGAGGACATACATTATTCCTTCCTCGCTGAGAGCTCTCTCTGCTCTCTTAAATCTAGAA	1592
2561	Db	GTGAGG-CATACATATTCCTTCCTCGCTGAGAGCTCTCTCTGCTCTCTTAAATCTAGAA	2619
1593	Qy	TGATGTAAGTTTTGATAAAGTTGACTATCTTACTTCATGCAAGAAGGACACATATGA	1652
2620	Db	TGATGTAAGTTTTGATAAAGTTGACTATCTTACTTCATGCAAGAAGGACACATATGA	2679
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2680	Db	GATTCATCATCATGAGACAGCAATACATAAAGTGTAAATTTGATTTATAGAGTTTAGA	2739
1713	Qy	TAAATATATGAAATGCAAGGACCAACAGAGGGAATGTTTTATGGGCACGTTTGTAAAGCCTG	1772
2740	Db	TAAATATATGAAATGCAAGGACCAACAGAGGGAATGTTTTATGGGCACGTTTGTAAAGCCTG	2799
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2800	Db	GGATGTGAACAAAGGACAGGAACTCATAGTATCTTATATATATATCTTCAATTTCTCTA	2859
1833	Qy	TCTCTATCAAAATATCCAAAGCTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAGG	1892
2860	Db	TCTCTATCAAAATATCCAAAGCTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAGG	2919
1893	Qy	TAACTTTATCCATTTCAATGGTGAGTCGGCTTTAGAAATTTTGGCAAAATCATACTGGTCAC	1952
2920	Db	TAACTTTATCCATTTCAATGGTGAGTCGGCTTTAGAAATTTTGGCAAAATCATACTGGTCAC	2979
1953	Qy	TTATCTCAACTTTGAGATGTTGTCTCTGTAGTTAAATTTCAAGAATAATAGGCACTCTT	2012
2980	Db	TTATCTCAACTTTGAGATGTTGTCTCTGTAGTTAAATTTCAAGAATAATAGGCACTCTT	3039
2013	Qy	GTGAGCCACTTTAGGGTTCACTCTCGCAATAAGAAATTTTCAAAAGAGCTA	2063
3040	Db	GTGAGCCACTTTAGGGTTCACTCTCGCAATAAGAAATTTTCAAAAGAGCAA	3090

RESULT 8

US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 852									
; SOFTWARE: FastSeq for Windows Version 3.0									
; SEQ ID NO 468									
; LENGTH: 3112									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-09-636-215-468									
Query Match									
Best Local Similarity 48.6%; Score 1742.2; DB 4; Length 3112;									
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;									
Qy	274	TCAATGCACGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATC	333						
Db	1302	TCAACTAAATAGGTGAGAAATAAGAAGGCTGTGACTTTACCATCTGAGGCCACACATC	1361						
Qy	334	TGCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATATAATGTCTTAAG	393						
Db	1362	TGCTGAANTGGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATATAATGTCTTAAG	1421						
Qy	394	TAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATATCCACACACAGGAAGCACACA	453						
Db	1422	TAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATATCCACACACAGGAAGCACACA	1481						
Qy	454	AAAGGAAGCACAGAGATCCTCGGAGAAATGCCCGCCGCCCATCTTGGGTTCATCGATGAG	513						
Db	1482	AAAGGAAGCACAGAGATCCTCGGAGAAATGCCCGCCGCCCATCTTGGGTTCATCGATGAG	1541						
Qy	514	CCTCGCCCTGTGCTGTGCTCCGCTGTGAGGGAAGACATTTAGAAAATGAAATTTGATGTGT	573						
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Qy	574	TCCTTAAAGGATGGGCAGGAAAAACAGATCCTGTGTGGGATATTTATTTGAAACGGGATTAC	633						
Db	1602	TCCTTAAAGGATGGGCAGGAAAAACAGATCCTGTGTGGGATATTTATTTGAAACGGGATTAC	1661						
Qy	634	AGATTTGAAATGAAGTCAAAAGTAGACATTTACCAATGAGAGGAAAAACAGACAGAAAAAT	693						
Db	1662	AGATTTGAAATGAAGTCAAAAGTAGACATTTACCAATGAGAGGAAAAACAGACAGAAAAAT	1721						
Qy	694	CTTGATGGCTTCACAGACATGCAACAAACAAATGGGAATCTGTGATGACATGAGGCGAG	753						
Db	1722	CTTGATGGCTTCACAGACATGCAACAAACAAATGGGAATCTGTGATGACATGAGGCGAG	1781						
Qy	754	CCAAGCTGGGGAGAGATAACACACGGGGCAGAGGGTTCAGGATTTCTGGCCCTGCTGCTTAA	813						
Db	1782	CCAAGCTGGGGAGAGATAACACACGGGGCAGAGGGTTCAGGATTTCTGGCCCTGCTGCTTAA	1841						
Qy	814	ACTGTGGTTTCATAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTTGTA	873						
Db	1842	ACTGTGGTTTCATAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTTGTA	1901						
Qy	874	TATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCTCATATATATCCAGCCACACTCAT	933						
Db	1902	TATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCTCATATATATCCAGCCACACTCAT	1961						
Qy	934	TTTTTAATATTAGTTCCTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAAACAATTAC	993						
Db	1962	TTTTTAATATTAGTTCCTCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAAACAATTAC	2021						
Qy	994	TCATTTTGTTCAAAGACCCCTCGTGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAA	1053						
Db	2022	TCATTTTGTTCAAAGACCCCTCGTGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAA	2081						
Qy	1054	GGAGTGTTCGGCCCAAGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAG	1113						
Db	2082	GGAGTGTTCGGCCCAAGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAG	2141						
Qy	1114	GGTTATACTTACTAGCACACAGATGATCATTTACGGAGTGAATTAATCAATCAACATCAT	1173						
Db	2142	GGTTATACTTACTAGCACACAGATGATCATTTACGGAGTGAATTAATCAATCAACATCAT	2201						
Qy	1174	CCTCAGTGTCTTTGGCCCACTAGAAATTCATTTCCACATTTTTGTGGCCCATTTCTCAAGACC	1233						


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Db 2202 CCTCAGTGTCTTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCATTTCTCAAGACC 2261
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Qy 1414 GCCTGTACTGAGGCTGTATAG - CACAGCCTCTCCCATCCCTCCAGCTTATCTGTC 1472
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Db 2502 ATCACCATCAACCCCTCCCAT - GCACCTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 2560
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Qy 1713 TAAATATATGAATGCAAGAGCAGAGGGAATGTTTATGGGCAAGCTTTGTAGCCCTG 1772
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Db 2860 TCTCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAAAATCCCAAGG 2919
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Db 2920 TAACCTTTATCCATTCATGCTGAGTGCGCTTTAGAAATTTGGCAAAATCATACTGTCAC 2979
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US-09-685-166A-468
; Sequence 468, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
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; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-468
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Query Match 48.6%; Score 1742.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

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QY 1893 TAACTTTTATCCATTTTCATGAGTGGCTTTTGAATTTTGGCAATCATCTGGTCA 1952
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QY 2920 TAACTTTTATCCATTTTCATGAGTGGCTTTTGAATTTTGGCAATCATCTGGTCA 2979
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QY 1953 TTATCTCACTTTGAGATGTTGTTGCTTGTAGTTAATTTGAAGAAATAGGGCTCTT 2012
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QY 2980 TTATCTCACTTTGAGATGTTGTTGCTTGTAGTTAATTTGAAGAAATAGGGCTCTT 3039
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QY 2013 GTGAGCCATTTAGGTTTCACTCTGGCAATTAAGAAATTTTACAAAGAGCTA 2063
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QY 3040 GTGAGCCATTTAGGTTTCACTCTGGCAATTAAGAAATTTTACAAAGAGCTA 3090
Db |||||

RESULT 10
US-09-679-426-468
; Sequence 468, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-468

Query Match 48.6%; Score 1742.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

QY 274 TCAATGGCAGGGTGGAGAAATAAGAAAGCGTCTGACATTTTACCATCTGAGGCCACACATC 333
Db |||||
QY 1302 TCACTAAATAGTGGAGAAATAAGAAAGCGTCTGACATTTTACCATCTGAGGCCACACATC 1361
Db |||||
QY 334 TGCTGAAATGGAGATAATTAACATCCTAGAAACAGCAAGATGCAATATATATGCTAAG 393
Db |||||
QY 1362 TGCTGAAATGGAGATAATTAACATCCTAGAAACAGCAAGATGCAATATATATGCTAAG 1421
Db |||||
QY 394 TAGTGACATGTTTTTGGACATTTCCAGCCCTTTTAAATATCCACACACAGAGAAAGCACA 453
Db |||||
QY 1422 TAGTGACATGTTTTTGGACATTTCCAGCCCTTTTAAATATCCACACACAGAGAAAGCACA 1481
Db |||||
QY 454 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGCGCATCTTGGGTCTATCCATGAG 513
Db |||||
QY 1482 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGCGCATCTTGGGTCTATCCATGAG 1541
Db |||||
QY 514 CCTCGCCCTGTGCTGCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAATGAATTTGATGCT 573
Db |||||
QY 1542 CCTCGCCCTGTGCTGCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAATGAATTTGATGCT 1601
Db |||||
QY 574 TCCTTAAAGATGGGAGGAGAAACAGATCCTGTTGTGTGATATTTATTTGAACGGGATTAC 633
Db |||||
QY 1602 TCCTTAAAGATGGGAGGAGAAACAGATCCTGTTGTGTGATATTTATTTGAACGGGATTAC 1661
Db |||||
QY 634 AGTTTGAATGAAGTCAAGATTCAGCATTTACCAGTACAGAGGAGAAACAGAGCAAAAT 693
Db |||||
QY 1662 AGTTTGAATGAAGTCAAGATTCAGCATTTACCAGTACAGAGGAGAAACAGAGCAAAAT 1721
Db |||||
QY 694 CTTGATGCTTTCACAAAGACATGCAACAAACAAATGGAATTAATCTGTGATGACATGAGGAG 753
Db |||||
QY 1722 CTTGATGCTTTCACAAAGACATGCAACAAACAAATGGAATTAATCTGTGATGACATGAGGAG 1781
Db |||||
QY 754 CCAAGCTGGGAGGAGATTAACCAAGGAGGAGGATTCAGGATTTTGGCCCTGCTCCCTAA 813
Db |||||

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Db 1842 ACTGTGCGTTCTAAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTGTAA 1901
Qy 874 TATCTGATCTCTACGGTTCCTCTGGGGCCCAACATTTCTCATATATPCCAGGCACACTCAT 933
Db 1902 TATCTGATCTCTACGGTTCCTCTGGGGCCCAACATTTCTCATATATPCCAGGCACACTCAT 1961
Qy 934 TTTTAATATTTAGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAACAATAC 993
Db 1962 TTTTAATATTTAGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAACAATAC 2021
Qy 994 TCATTTTGTTCAAAGACCTTCGTGTGTCTGCTCAATATGATGCTGACCTGTTTTCCTAA 1053
Db 2022 TCATTTTGTTCAAAGACCTTCGTGTGTCTGCTCAATATGATGCTGACCTGTTTTCCTAA 2081
Qy 1054 GGAGTGTCTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1113
Db 2082 GGAGTGTCTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
Qy 1114 GGTATATCTACTAGCACACAGATGATCATTTACGGAGTGAATTTCTTAATCAACATCAT 1173
Db 2142 GGTATATCTACTAGCACACAGATGATCATTTACGGAGTGAATTTCTTAATCAACATCAT 2201
Qy 1174 CTTCACTGTCTTTGGCCCACTGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACC 1233
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Qy 1234 TCAAAATGTCAATCCATTAATATCAAGATTAACCTTTTTTTTTTAACTCGGAAGATTC 1293
Db 2262 TCAAAATGTCAATCCATTAATATCAAGATTAACCTTTTTTTTTTAACTCGGAAGATTC 2321
Qy 1294 AATGTTACATGAGCTATGGGAATTTAATACATATTTGTTTTCAGTGGCAAGATGAC 1353
Db 2322 AATGTTACATGAGCTATGGGAATTTAATACATATTTGTTTTCAGTGGCAAGATGAC 2381
Qy 1354 TAACTGCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAGTTAAATGCTTA 1413
Db 2382 TAACTGCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAGTTAAATGCTTA 2441
Qy 1414 GCCTTGACTAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1472
Db 2442 GCCTTGACTAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
Qy 1473 ATCACCATCAACCCCTCCCATACCACCTAAACAAATCTAACTTGTAATTCCTTGAACAT 1532
Db 2502 ATCACCATCAACCCCTCCCAT-GCACCTAAACAAATCTAACTTGTAATTCCTTGAACAT 2560
Qy 1533 GTCAAGACATACATTTATTCCTCTGCTCAGAGGCTCTTCTTGCTCTTAAATCTAGAA 1592
Db 2561 GTCAAG-CATACATTTATTCCTCTGCTCAGAGGCTCTTCTTGCTCTTAAATCTAGAA 2619
Qy 1593 TGATGTAAAGTTTGAATTAAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGA 1652
Db 2620 TGATGTAAAGTTTGAATTAAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGA 2679
Qy 1653 GATTCATCATCATGAGACAGCAATCTAAAGTGAATTTGATTATTAAGAGTTTGA 1712
Db 2680 GATTCATCATCATGAGACAGCAATCTAAAGTGAATTTGATTATTAAGAGTTTGA 2739
Qy 1713 TAAATATATGAATGAAGAGCACAGAGGGAATGTTTATGGGCACGTTTGTAGGCCGTG 1772
Db 2740 TAAATATATGAATGAAGAGCACAGAGGGAATGTTTATGGGCACGTTTGTAGGCCGTG 2799
Qy 1773 GGATGTGAAGAAAGCAGGAACTCTATGATATCTTATATATATCTTCTTCTCTTA 1832
Db 2800 GGATGTGAAGAAAGCAGGAACTCTATGATATCTTATATATATCTTCTTCTCTTA 2859
Qy 1833 TCTCTATCAATATCCACAGCTTTTTCACAGATTCATGAGTGCATATCCCAAGG 1892
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RESULT 11

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US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darriack
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468
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Query Match 48.6%; Score 1742.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

Qy 274 TCAATGGCAGGGTGCAGAAATAAGAAAGCGTGTGACCTTTTACCATCTGAGGCCACACATC 333
Db 1302 TCAACTAAATAGTGCAGAAATAAGAAAGCGTGTGACCTTTTACCATCTGAGGCCACACATC 1361
Qy 334 TGCTGAATGCAGATAATTAACATCCTAGAAACAGCAAGATGCAATATATGTCCTAAG 393
Db 1362 TGCTGAATGCAGATAATTAACATCCTAGAAACAGCAAGATGCAATATATGTCCTAAG 1421
Qy 394 TAGTGACATGTTTTTGGACATTTCCAGCCCTTTTAAATATCCACACACAGAGGAGCACA 453
Db 1422 TAGTGACATGTTTTTGGACATTTCCAGCCCTTTTAAATATCCACACACAGAGGAGCACA 1481
Qy 454 AAAGAAGCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCATCATGAG 513
Db 1482 AAAGAAGCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTATCATCATGAG 1541
Qy 514 CCTCGCCCTGTGCTGTCCTGTCCTGTTGTGAGGGAAGGACATTTAGAAAAATGAATTTGATGTG 573
Db 1542 CCTCGCCCTGTGCTGTCCTGTCCTGTTGTGAGGGAAGGACATTTAGAAAAATGAATTTGATGTG 1601
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574 TCCTTAAAGGATGGGAGGAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTAC 633
Db |||||
1602 TCCTTAAAGGATGGGAGGAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTAC 1661
Qy |||||
634 AGATTTGAATGAAGTCACAAAGTAGCATTACCAATGAGAGGAAACAGACGAGAAAT 693
Db |||||
1662 AGATTTGAATGAAGTCACAAAGTAGCATTACCAATGAGAGGAAACAGACGAGAAAT 1721
Qy |||||
694 CTTGATGGCTTCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGCCAG 753
Db |||||
1722 CTTGATGGCTTCACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGCCAG 1781
Qy |||||
754 CCAAGCTGGGAGGAGATACCAAGGAGGAGGCTCAGGATTCCTGGCCCTGCTGCTTAA 813
Db |||||
1782 CCAAGCTGGGAGGAGATACCAAGGAGGAGGCTCAGGATTCCTGGCCCTGCTGCTTAA 1841
Qy |||||
814 ACTGTGCGTTTCATAACCAATCATTTTCATATTTCTAACCTCAACCAACCAAGCTGTGTA 873
Db |||||
1842 ACTGTGCGTTTCATAACCAATCATTTTCATATTTCTAACCTCAACCAACCAAGCTGTGTA 1901
Qy |||||
874 TATCTGATCTTACGGTTCCTCTGGGCCCAACATTCCTCATATATCCAGCCACACTCAT 933
Db |||||
1902 TATCTGATCTTACGGTTCCTCTGGGCCCAACATTCCTCATATATCCAGCCACACTCAT 1961
Qy |||||
934 TTTTAATATTAGTTCCAGATCTGATCTGTGACCTTTCTACACTGTAGATAAACAATTAC 993
Db |||||
1962 TTTTAATATTAGTTCCAGATCTGATCTGTGACCTTTCTACACTGTAGATAAACAATTAC 2021
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994 TCATTTTGTTCAAAGACCTTCGTGTGTGCTGCTTAATATGTAGTGAATCTTTTCTTAA 1053
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2082 GGAAGTCTCTGGCCAGGAGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
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2142 GGTATATCTTACTAGCACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCAT 1173
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1174 CCTCAGTGTCTTGCCCATACTGAAATTCATTTCCCACTTTTGCGCCATTTCTCAAGACC 1233
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2202 CCTCAGTGTCTTGCCCATACTGAAATTCATTTCCCACTTTTGCGCCATTTCTCAAGACC 2261
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1234 TCAAAATGTCATTCCATTAATATACAGGATTAACCTTTTAACTGGAAGATTC 1293
Db |||||
2262 TCAAAATGTCATTCCATTAATATACAGGATTAACCTTTTAACTGGAAGATTC 2321
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1294 AATGTTACATGAGCTATGGGAATTTAATATACATATTTTGTTCAGTGCAGGATGAC 1353
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2322 AATGTTACATGAGCTATGGGAATTTAATATACATATTTTGTTCAGTGCAGGATGAC 2381
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1354 TAAGTCTTTATCCCTCCCTTGTGTGATTTTTCAGTATAAGTAAATGCTTA 1413
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2382 TAAGTCTTTATCCCTCCCTTGTGTGATTTTTCAGTATAAGTAAATGCTTA 2441
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1414 GCCTTGATGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCTTATCTGTC 1472
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2442 GCCTTGATGAGGCTGTATACAGC-CACAGCCTCTCCCATCCCTCCAGCTTATCTGTC 2501
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1473 ATCACCATCAACCCCTCCCATCCCATCAACAAATCTAATCTGTAATTCCTTGAACAT 1532
Db |||||
2502 ATCACCATCAACCCCTCCCATCCCATCAACAAATCTAATCTGTAATTCCTTGAACAT 2560
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1533 GTCAGACATATATTTCTGCTGCTGAGAGGCTCTTCTGCTCTCTTAATCTAGAA 1592
Db |||||
2561 GTCAGG-CATACATATTTCTGCTGCTGAGAGGCTCTTCTGCTCTCTTAATCTAGAA 2619
Qy |||||
1593 TGAATGTAAGTTTGAATAGTTGACTATCTTCTCATGCAAGGAGGACACATATCA 1652
Db |||||
2620 TGAATGTAAGTTTGAATAGTTGACTATCTTCTCATGCAAGGAGGACACATATGA 2679

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2680 GATTTCATCATCATGAGACAGCAAAATACTAAAAAGTGAATTTGATTTATAAGAGTTTGA 2739
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1713 TAAATATATGAATTCGAAGAGCCACAGAGGGAATCTTTATGGGCAACGTTTCTGAAGCCTG 1772
Db |||||
2740 TAAATATATGAATTCGAAGAGCCACAGAGGGAATCTTTATGGGCAACGTTTCTGAAGCCTG 2799
Qy |||||
1773 GATGTGAAGCAAAAGGAGGGAACCTCATAGTATCTTATATATATATATCTTCTTCTTA 1832
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2800 GATGTGAAGCAAAAGGAGGGAACCTCATAGTATCTTATATATATATATCTTCTTCTTA 2859
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1833 TCTTATCAATATATCCAAAGCTTTTTCAGAGAAATTCATGCAAGTGCAGTGCAGGAGG 1892
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2860 TCTTATCAATATATCCAAAGCTTTTTCAGAGAAATTCATGCAAGTGCAGTGCAGGAGG 2919
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Db |||||
2920 TAACTTTTATCCATTTTCATGAGTGCCTTTTTCAGAAATTTTCGCAAAATCATACTGTGTCAC 2979
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1953 TTATCTCAACTTTGAGATGTGTTCCTTGTAGTAAATTTGAAGAAATAGGGCACTCTT 2012
Db |||||
2980 TTATCTCAACTTTGAGATGTGTTCCTTGTAGTAAATTTGAAGAAATAGGGCACTCTT 3039
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3040 GTGAGCCACTTTAGGTTTCACTCTCGGCAATTAAGAAATTTACAAAGAGCTA 3090

RESULT 12

US-09-651-236-468
; Sequence 468, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.42718C18
CURRENT APPLICATION NUMBER: US/09/651,236
CURRENT FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 865
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112

TYPE: DNA
ORGANISM: Homo sapiens
US-09-651-236-468

Query Match 48.6%; Score 1742.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

Qy 274 TCAATGGCAGGGGTGAGAAATAAGAAAGCTGCTGACATTTTACCATCTGAGGCCACACATC 333
Db |||||
1302 TCACTTAATAGGTGAGAAATAAGAAAGCTGCTGACATTTTACCATCTGAGGCCACACATC 1361
Qy 334 TGCTGAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGCTAAG 393

Db 1362 TCCTGAAATGGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATAATAATGTCTAAG 1421
QY 394 TAGTGACATGTTTTGTCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACA 453
Db 1422 TAGTGACATGTTTTGTCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACA 1481
QY 454 AAAGGAAGCACAGAGATCCCTGGGAAATGCCCGCCGCCATCTTTGGGTCTCATGATGAG 513
Db 1482 AAAGGAAGCACAGAGATCCCTGGGAAATGCCCGCCGCCATCTTTGGGTCTCATGATGAG 1541
QY 514 CCTCGCCCTGTGCTGCTCCGCTTGTGAGGAAGACATTAAGAAAAATGAATGATGTGT 573
Db 1542 CCTCGCCCTGTGCTGCTCCGCTTGTGAGGAAGGACATTAAGAAAAATGAATGATGTGT 1601
QY 574 TCCTTAAAGGATGGGAGGAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTAC 633
Db 1602 TCCTTAAAGGATGGGAGGAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTAC 1661
QY 634 AGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAAT 693
Db 1662 AGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGACGAGAAAT 1721
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Db 1782 CCAAGCTGGGAGGAGATACCAACGGGCGAGAGGTCAGGATTTCTGGCCCTCTGCTGCTAA 1841
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Db 1842 ACTGTGCTTCAATACCAATCATTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTAA 1901
QY 874 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAT 933
Db 1902 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCAT 1961
QY 934 TTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAC 993
Db 1962 TTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAC 2021
QY 994 TCATTTTGTTCAAAGACCTTCGTGTGTGCTCTAATATGTAGCTGACTGTTTTTCCCAA 1053
Db 2022 TCATTTTGTTCAAAGACCTTCGTGTGTGCTCTAATATGTAGCTGACTGTTTTTCCCAA 2081
QY 1054 GGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1113
Db 2082 GGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
QY 1114 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCAATCAACATCAT 1173
Db 2142 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCAATCAACATCAT 2201
QY 1174 CTTAGTGTCTTTGCCCACTACTGAAATTCAMTTCCACCTTTTGTGCCCATCTCAAGACC 1233
Db 2202 CTTAGTGTCTTTGCCCACTACTGAAATTCAMTTCCACCTTTTGTGCCCATCTCAAGACC 2261
QY 1234 TCMAATGTTCATTCATTAATATACAGGATTAACCTTTTTTTTTTAACTGGAAGATTC 1293
Db 2262 TCMAATGTTCATTCATTAATATACAGGATTAACCTTTTTTTTTTAACTGGAAGATTC 2321
QY 1294 AATGTTACATGAGCTATGGGAATTTAATTACATATTTTGTTCAGTGCAAGATGAC 1353
Db 2322 AATGTTACATGAGCTATGGGAATTTAATTACATATTTTGTTCAGTGCAAGATGAC 2381
QY 1354 TAAGTCTTTATCCCTCCCTTTGTTTGAATTTTTTCCAGTATAAAGTTAAATGCTTA 1413
Db 2382 TAAGTCTTTATCCCTCCCTTTGTTTGAATTTTTTCCAGTATAAAGTTAAATGCTTA 2441
QY 1414 GCCTTGACTAGGCTGTATACAG-CACAGCTCTCCCATCCCTCCAGCCTTATCTGTC 1472

Db 2442 GCCTTGACTAGGCTGTATACAGCCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
QY 1473 ATCACCATCAACCCCTCCCATACACACCTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 1532
Db 2502 ATCACCATCAACCCCTCCCAT-GCACCTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 2560
QY 1533 GTCAGGACATACATTAATTCCTTCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAGAA 1592
Db 2561 GTCAGG-CATACATTAATTCCTTCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAGAA 2619
QY 1593 TGATGTAAGTTTTGAATAAGTTGACTATCTTACTTTCATGCAAGAAGGACACATATGA 1652
Db 2620 TGATGTAAGTTTTGAATAAGTTGACTATCTTACTTTCATGCAAGAAGGACACATATGA 2679
QY 1653 GATTCATCATCACATGACACAGCAAAATCTAAAGTGTAATTTTGAATTAAGAGTTTGA 1712
Db 2680 GATTCATCATCACATGACACAGCAAAATCTAAAGTGTAATTTTGAATTAAGAGTTTGA 2739
QY 1713 TAAATATATGAATGCAAGGCCACAGAGGGAATGTTTATGGGCACGTTTTGTAAGCCTG 1772
Db 2740 TAAATATATGAATGCAAGGCCACAGAGGGAATGTTTATGGGCACGTTTTGTAAGCCTG 2799
QY 1773 GGATGTGAAGCAAGGACAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTA 1832
Db 2800 GGATGTGAAGCAAGGACAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTA 2859
QY 1833 TCTCTATCACAAATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCAAGG 1892
Db 2860 TCTCTATCACAAATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCAAGG 2919
QY 1893 TAACTTTTATCCATTTCAATGAGTGCGCTTTTGAAGATTTTGGCAAAATCATACCTGGTCAAC 1952
Db 2920 TAACTTTTATCCATTTCAATGAGTGCGCTTTTGAAGATTTTGGCAAAATCATACCTGGTCAAC 2979
QY 1953 TTAATCTCAACTTTGAGATGCTGTTGCTCTCTAGTAAATTCGAAAGAAATAGGCACTCTT 2012
Db 2980 TTAATCTCAACTTTGAGATGCTGTTGCTCTCTAGTAAATTCGAAAGAAATAGGCACTCTT 3039
QY 2013 GTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGAGCTA 2063
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAGAGCA 3090

RESULT 13
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439.313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match 48.4%; Score 1733.4; DB 3; Length 2426;

Best Local Similarity 99.8%; Pred. No. 0; Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;			
QY	285	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	344
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QY	345	AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGCTCTAAAGTAGTGACATGT	404
Db	1709	AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGCTCTAAAGTAGTGACATGT	1650
QY	405	TTTTGCACATTTCCAGCCCTTTAAATATCCACACAGGAGACACAAAGGAGAC	464
Db	1649	TTTTGCACATTTCCAGCCCTTTAAATATCCACACAGGAGACACAAAGGAGAC	1590
QY	465	AGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGGTTCATCGATGAGCTCGCCCTGT	524
Db	1589	AGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGGTTCATCGATGAGCTCGCCCTGT	1530
QY	525	GCTGTGCTCGCTTGTGAGGAAGGACATAGAAAATGAATGATGTGTTCTTAAAGGA	584
Db	1529	GCTGTGCTCGCTTGTGAGGAAGGACATAGAAAATGAATGATGTGTTCTTAAAGGA	1470
QY	585	TGGGAGGAAACAGATCTGTGTGATATTTTGAACGGATTCAGATTTGAAT	644
Db	1469	TGGGAGGAAACAGATCTGTGTGATATTTTGAACGGATTCAGATTTGAAT	1410
QY	645	GAAATGACAAAGTGACATTTACCAATGAGAGAAACACAGACGAGAAATCTTGATGGCTT	704
Db	1409	GAAATGACAAAGTGACATTTACCAATGAGAGAAACACAGACGAGAAATCTTGATGGCTT	1350
QY	705	CACAGACATGCAACAAACAAATGAATGATCTGTGATGACATGAGGACGCCAAGCTGGGG	764
Db	1349	CACAGACATGCAACAAACAAATGAATGATCTGTGATGACATGAGGACGCCAAGCTGGGG	1290
QY	765	AGGAGTAACACGGGAGAGGCTCAGATCTGCGCCCTGCTGCTAACTGCTGGTTC	824
Db	1289	AGGAGTAACACGGGAGAGGCTCAGATCTGCGCCCTGCTGCTAACTGCTGGTTC	1230
QY	825	ATAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC	884
Db	1229	ATAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC	1170
QY	885	TACGGTTCCTCTGGGCCCAACATCTCCATATATCCAGCCACATCAATTTTAATATTT	944
Db	1169	TACGGTTCCTCTGGGCCCAACATCTCCATATATCCAGCCACATCAATTTTAATATTT	1110
QY	945	AGTTCCACATCTGACTGTGACCTTTTACACTGTAGATAACATTAATTTTGTTC	1004
Db	1109	AGTTCCACATCTGACTGTGACCTTTTACACTGTAGATAACATTAATTTTGTTC	1050
QY	1005	AAAGACCTTCTGTTGCTGCCTTAATATGATGATGCTGCTGTTTCTTAAGGAGTGTTCG	1064
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QY	1065	GCCAGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATCTTAA	1124
Db	989	GCCAGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATCTTAA	930
QY	1125	CTAGCACAGATGATCAATTAAGGAGTGAATATCTAATCAATCAATCTCAGTGCT	1184
Db	929	CTAGCACAGATGATCAATTAAGGAGTGAATATCTAATCAATCAATCTCAGTGCT	870
QY	1185	TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1244
Db	869	TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	810
QY	1245	TTCCATTAATATCACAGGATTAATTTTTTTTTTAACTGGGAAGATTCATTTGTACATG	1304
Db	809	TTCCATTAATATCACAGGATTAATTTTTTTTTTAACTGGGAAGATTCATTTGTACATG	750
QY	1305	CAGCTATGGGAATTAATTTACATATTTTGTTCAGTCCAAAGATGACTAAGTCTTTTA	1364

RESULT 14

US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yucui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

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Db	689	TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCTTTGACTG	630
QY	1425	AGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCATCAA	1483
Db	629	AGGCTGTATACAGCAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCATCAA	570
QY	1484	CCCTCCCATACACCTTAAACAAATCTAACTTGTAAATTTCTTGAACATGTGAGGACATA	1543
Db	569	CCCTCCCAT-CACTTAAACAAATCTAACTTGTAAATTTCTTGAACATGTGAGGACATA	512
QY	1544	CATTATTCCTGCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGAAAGT	1603
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Db	451	TTTGAATTAAGTTGACTATCTTCTTCAATGCAAGGACACATATGAGATTCATCATC	392
QY	1664	ACATGAGACAGCAAAATCTAAAGTGTAATTTGATTATAAGAGTTTAGATAAATATATGA	1723
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QY	1724	AATGCAAGAGCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAAGCTGGGATGTGAAGC	1783
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Db	271	AAAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCTATCTCTATCACA	212
QY	1844	ATATCCAAACAGCTTTTACAGAAATTCATGAGTGCATAATCCCAAGTAAACCTTTATC	1903
Db	211	ATATCCAAACAGCTTTTACAGAAATTCATGAGTGCATAATCCCAAGTAAACCTTTATC	152
QY	1904	CATTTTCATGAGTGCCTTTAGAAATTTGSCAAATCATACTGTCATCTTATCAACT	1963
Db	151	CATTTTCATGAGTGCCTTTAGAAATTTGSCAAATCATACTGTCATCTTATCAACT	92
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Query Match	48.4%;	Score 1733.4;	DB 3;	Length 2426;
Best Local Similarity	99.8%;	Pred. No. 0;		
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	Indels	3;	Gaps	3;
Qy	285	GGTCAGAAATAAGAAAGCGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGGAATGG	344	
Db	1769	GGTCAGAAATAAGAAAGCGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGGAATGG	1710	
Qy	345	AGATAAATTAAATCAATCACTAGAAAACAGCAAGATGACAATAATATGTTCTAAGTAGTGACATGT	404	
Db	1709	AGATAAATTAAATCAATCACTAGAAAACAGCAAGATGACAATAATATGTTCTAAGTAGTGACATGT	1650	
Qy	405	TTTTGGCACATTTCCAGGCCCTTTAAATATATCCACACACAGAGGAAGCAAAAAGGAAGCAC	464	
Db	1649	TTTTGGCACATTTCCAGGCCCTTTAAATATATCCACACACAGAGGAAGCAAAAAGGAAGCAC	1590	
Qy	465	AGAGATCCCTGGGAGAAATGCCGGCCGCCCATCTTTGGGTCAATCGATGAGCCTCGCCCTGT	524	
Db	1589	AGAGATCCCTGGGAGAAATGCCGGCCGCCCATCTTTGGGTCAATCGATGAGCCTCGCCCTGT	1530	
Qy	525	GCCTGTCCCGCTTGTGAGGAAGGACATTTAGAAAAATGAATGATGTTGTTCTTTAAAGGA	584	
Db	1529	GCCTGTGTCCCGCTTGTGAGGAAGGACATTTAGAAAAATGAATGATGTTGTTCTTTAAAGGA	1470	
Qy	585	TGGSCAGGAAAAACAGATCCTGTGTTCTGTGATATTTATTTTGAACGGGATTTACAGATTTGAAAT	644	
Db	1469	TGGSCAGGAAAAACAGATCCTGTGTTCTGTGATATTTATTTTGAACGGGATTTACAGATTTGAAAT	1410	
Qy	645	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	704	
Db	1409	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	1350	
Qy	705	CACAAGACATGCACAAACAAAATGGAATCTGTGATGACATGAGGCAGCAAGCTGGGG	764	
Db	1349	CACAAGACATGCACAAACAAAATGGAATCTGTGATGACATGAGGCAGCAAGCTGGGG	1290	
Qy	765	AGGAGATAAACACACGGGCGAGAGGCTCAGGATTTCTTGGCCCTGCTGCCCTTAAACTGTGCGTTC	824	
Db	1289	AGGAGATAAACACACGGGCGAGAGGCTCAGGATTTCTTGGCCCTGCTGCCCTTAAACTGTGCGTTC	1230	
Qy	825	ATAACCAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC	884	
Db	1229	ATAACCAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC	1170	
Qy	885	TACGGTTCTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACACTCATTTTAAATTTT	944	
Db	1169	TACGGTTCTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACACTCATTTTAAATTTT	1110	
Qy	945	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTC	1004	
Db	1109	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTC	1050	
Qy	1005	AAAGACCTTCTGTGCTGCTGCTTAATATGATGCTGACTGTTTTTCTTAAGAGAGTGTCTG	1064	
Db	1049	AAAGACCTTCTGTGCTGCTGCTTAATATGATGCTGACTGTTTTTCTTAAGAGAGTGTCTG	990	
Qy	1065	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTCTTA	1124	
Db	989	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTCTTA	930	
Qy	1125	CTAGCACACAGCATGATCATTTACGGAGTGAAATCTTAATCAACATCATCTCTCAGTGTCT	1184	
Db	929	CTAGCACACAGCATGATCATTTACGGAGTGAAATCTTAATCAACATCATCTCTCAGTGTCT	870	
Qy	1185	TTGGCCATCTGAAATTCATTTTCCACTTTTGTGCCCATTTCTCAAGACCTTCAAAATGTCA	1244	
Db	869	TTGGCCATCTGAAATTCATTTTCCACTTTTGTGCCCATTTCTCAAGACCTTCAAAATGTCA	810	
Qy	1245	TTCCATTAATATACAGGAATTAATCTTTTTTTTTTAACTCGGAAGAAATTCAGTTACATG	1304	
Db	809	TTCCATTAATATACAGGAATTAATCTTTTTTTTTTAACTCGGAAGAAATTCAGTTACATG	750	

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RESULT 15
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US - Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun

```

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-636-215-470

Query Match 48.4%; Score 1733.4; DB 4; Length 2426;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY	285	GGTGAGAAATAGAAAGGCTGTGACTTTACATCTGAGGCCACACATCTGCTGAAATGG	344
DB	1769	GGTGAGAAATAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1710
QY	345	AGATAATTAACTACATCAGTAAAGCAGCAAGATGACATATAATCTCTAACTAGTGACATGT	404
DB	1709	AGATAATTAACTACATCAGTAAAGCAGCAAGATGACATATAATCTCTAACTAGTGACATGT	1650
QY	405	TTTTGACACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAAGCAC	464
DB	1649	TTTTGACACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAAGCAC	1590
QY	465	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTGGGTATCATCATGAGCCCTGCCCTGT	524
DB	1589	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTGGGTATCATCATGAGCCCTGCCCTGT	1530
QY	525	GCTGTCCTCCGCTGTGAGGAGGACATTTAGAAATGAATGATCTGTCTTAAAGGA	584
DB	1529	GCTGTCCTCCGCTGTGAGGAGGACATTTAGAAATGAATGATCTGTCTTAAAGGA	1470
QY	585	TGGGCAGGAAAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTCGAAT	644
DB	1469	TGGGCAGGAAAAACAGATCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTCGAAT	1410
QY	645	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAACTTTGATGGCTT	704
DB	1409	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAACTTTGATGGCTT	1350
QY	705	CACAACACATGCACAAACAAATGGAATCTGTGATGACATGAGCAGCCAGCTGGGG	764
DB	1349	CACAACACATGCACAAACAAATGGAATCTGTGATGACATGAGCAGCCAGCTGGGG	1290
QY	765	AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGTTTC	824
DB	1289	AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAACTGTGGTTTC	1230
QY	825	ATAACCAAAATCAATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	884
DB	1229	ATAACCAAAATCAATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC	1170
QY	885	TACGGTTCTCTTGGGGCCCAACATTTCCATATATCCAGCCACATCAATTTTAATATT	944
DB	1169	TACGGTTCTCTTGGGGCCCAACATTTCCATATATCCAGCCACATCAATTTTAATATT	1110
QY	945	AGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGATAACATTTACTCATTTTGTTC	1004
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QY	1005	AAAGACCTTCTGTTGCTGCTTAAATATGTAGTGAATCTGTTTTTCTCAAGGAGTGTCTG	1064
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GenCore version 5.1.6
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Gapop 10.0 , Gapext 1.0

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	3497	97.6	3923	9	US-09-822-827-690
5	3497	97.6	3923	9	US-09-895-793-690
6	3497	97.6	3923	9	US-09-895-814-690
7	3497	97.6	3923	13	US-10-012-896-690

8	3497	97.6	3923	15	US-10-205-823-316	Sequence 316, App
9	3497	97.6	3923	16	US-10-144-678A-690	Sequence 690, App
10	3497	97.6	3923	16	US-10-294-025-690	Sequence 690, App
11	2032	56.7	2037	22	US-10-880-425A-1	Sequence 1, Appli
12	1742.2	48.6	3112	9	US-09-759-143-468	Sequence 468, App
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15	1742.2	48.6	3112	9	US-09-895-793-468	Sequence 468, App
16	1742.2	48.6	3112	9	US-09-895-814-468	Sequence 468, App
17	1742.2	48.6	3112	13	US-10-012-896-468	Sequence 468, App
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c 24	1733.4	48.4	2426	9	US-09-895-793-470	Sequence 470, App
c 25	1733.4	48.4	2426	9	US-09-895-814-470	Sequence 470, App
c 26	1733.4	48.4	2426	13	US-10-012-896-470	Sequence 470, App
c 27	1733.4	48.4	2426	14	US-10-010-940-470	Sequence 470, App
c 28	1733.4	48.4	2426	15	US-10-205-823-448	Sequence 448, App
c 29	1733.4	48.4	2426	16	US-10-144-678A-470	Sequence 470, App
c 30	1733.4	48.4	2426	16	US-10-294-025-470	Sequence 470, App
c 31	1717.4	47.9	2229	9	US-09-759-143-469	Sequence 469, App
c 32	1717.4	47.9	2229	9	US-09-780-669-469	Sequence 469, App
c 33	1717.4	47.9	2229	9	US-09-822-827-469	Sequence 469, App
c 34	1717.4	47.9	2229	9	US-09-895-793-469	Sequence 469, App
c 35	1717.4	47.9	2229	9	US-09-895-814-469	Sequence 469, App
c 36	1717.4	47.9	2229	13	US-10-012-896-469	Sequence 469, App
c 37	1717.4	47.9	2229	14	US-10-010-940-469	Sequence 469, App
c 38	1717.4	47.9	2229	16	US-10-144-678A-469	Sequence 469, App
c 39	1717.4	47.9	2229	16	US-10-294-025-469	Sequence 469, App
c 40	740.8	20.2	876	10	US-09-957-708-3	Sequence 3, Appli
c 41	722.4	20.2	812	9	US-09-759-143-471	Sequence 471, App
c 42	722.4	20.2	812	9	US-09-780-669-471	Sequence 471, App
c 43	722.4	20.2	812	9	US-09-822-827-471	Sequence 471, App
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ALIGNMENTS

RESULT 1

US-10-880-425A-2
; Sequence 2, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 3582
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-880-425A-2

Query Match 100.0%; Score 3582; DB 22; Length 3582;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3582; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 661 CATTACCAATGAGAGGAAAACAGACAGAAATCTTTGATGGCTTCAAGACATGCAACA 720
Qy 721 AACAAAATGGAATCTGATGACATGACGAGCCCAAGCTGGGGAGGAGATAACCAACGG 780
Db 721 AACAAAATGGAATCTGATGACATGACGAGCCCAAGCTGGGGAGGAGATAACCAACGG 780
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Qy 1141 TCATTACGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTTGCCCATCTCAAAAT 1200
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Db 1681 CTAAAAGTGAATTTGATTTAAGAGTTTAGATAAATATATAAATGAAGTGAAGGACACAGA 1740
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Db 1741 GGGAAATTTATGGGGACGTTTGTAGCCTGGATGTGAAGCAAGGACAGGAACTCTCA 1800
Qy 1801 TAGTATCTTATATATATCTTCTTCTATCTATCAATATCCAAAGCTTTT 1860
Db 1801 TAGTATCTTATATATATCTTCTTCTATCTATCAATATCCAAAGCTTTT 1860
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Db 1861 CACAGAAATTCATGCAAGTCAAAATCCCAAGGTAACTTTATCCATTTTCATGGTGAAGTGC 1920
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Db 1921 GCTTTAGAAATTTGGCAAAATCATACTGTCATCTTATCTCAACTTTGAGATGTTGTGCC 1980
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Db 2161 TTAACAAAGCATGTTTTTCAAAATGGCCTATGAGCTGCCAATGATGATACACCACATAT 2220

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2761 GCCAACAACAGCAGGAGCCCAACGATGTCGAGATCTTAAATCAAGGAAACAGTG 2820
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2821 TCATGAGTTGAATTCCTTATATGATGTCAGCTTCTGCGCATCTGCTCTCTCTT 2880
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2881 GACACATATAGCTCTAGCTTTGCTTCCAGACTTTTATCTTTTCTCCACACATCGC 2940
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3001 CAAGTCTTTTCCATCCCAACCACTAACCTGAATTTGCTAGACCTTATTTTATTA 3060
3061 TTTCCAATAGATGCTGCTATGGCTAAATATGCTTTTAGATGAACATATAGATTTAAG 3120
3061 TTTCCAATAGATGCTGCTATGGCTAAATATGCTTTTAGATGAACATATAGATTTAAG 3120
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3121 TCTAAGAGGTTCAAAATCCAACTCATTTCTCTTTTCACTCCCTGCTCTCTCT 3180
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3181 CCTATATTACTGATTGACTGAACAGAGTGGTCCCAAGATGCGCTCAATAGAGAAACC 3240
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3241 CAGTGGCTCTTGTGGATCATGATGCAAGACTGCTGAAAGCCAGAGGATGACTGATTAG 3300
3301 CCTCATGGGTGGAGGGAACAATCTCTGGGCTTCTGTTGTTGTCAGGAGCAAGACTTGAG 3360

3301 CCTCATGGGTGAGGGGACCACTCTCTGGGCTTCTGTTGTTGTCAGGAGCAAGCTTGAG 3360
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3361 TGCTCCCTGCTCTCAGTGTCTCTGATCTCTCCCTTTCTTAATGAAGATCCATAGAATTTG 3420
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3481 ACTCTCGTGAATTAAGTTTTTCAAAATCTGCTCTGTAATTAATCTTTCTTACAGT 3540
3481 ACTCTCGTGAATTAAGTTTTTCAAAATCTGCTCTGTAATTAATCTTTCTTACAGT 3540
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3541 TCTTGGCATCTATATCAACTTTTGATTTCTTTGTTACAACTTT 3582

RESULT 2

US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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DB 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTCT 60
QY 61 GGCTCAGCCGAGGAGACCCAGGAAGATCTGATGGTGGAGAGGACCTGATGATACAG 120
DB 61 GGCTCAGCCGAGGAGACCCAGGAAGATCTGATGGTGGAGAGGACCTGATGATACAG 120
QY 121 GAATTACAACATATATCTTAGTGTTCATGAACCAAGATAAATAAGTCAAGAGCTA 180
DB 121 GAATTACAACATATATCTTAGTGTTCATGAACCAAGATAAATAAGTCAAGAGCTA 180
QY 181 GTCCCTGTGAGTCTCTCAGTGACACAGGCTGGATCACCATCGACGCACTTCTGAG 240

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Qy	241	TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Db	241	TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Qy	301	GGTGTGACTTTACCATCTGAGGCCACACATCTGTCTGAAATGGAGATATAATTAACATCAC	360
Db	301	GGTGTGACTTTACCATCTGAGGCCACACATCTGTCTGAAATGGAGATATAATTAACATCAC	360
Qy	361	TAGAAACAGCAAGATGACAAATATAATGTCTAAGTAGTGACATGTTTTTGACATTTCCAG	420
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Qy	421	CCCCTTTAAATATCCACACACAGGAAGACAAAAAGGAAGCACACAGATCCCTGGGAGA	480
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Qy	541	GAGGGAAGCACTTAGBAAATGAATTGATGTGTTCCTTAAAGGATGGCAGGAAAAAGA	600
Db	541	GAGGGAAGCACTTAGBAAATGAATTGATGTGTTCCTTAAAGGATGGCAGGAAAAAGA	600
Qy	601	TCCTGTTGTGATATTTATTGCAACGGGATTCACAGATTTGAAATGAAATCACAAGTGAG	660
Db	601	TCCTGTTGTGATATTTATTGCAACGGGATTCACAGATTTGAAATGAAATCACAAGTGAG	660
Qy	661	CATTACCAATGAGAGGAAAAAGACAGAGAAAAATTTGATGCTTCCAAGACATGCAACA	720
Db	661	CATTACCAATGAGAGGAAAAAGACAGAGAAAAATTTGATGCTTCCAAGACATGCAACA	720
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Db	721	AACAAATGGAAATACTGTGATGACATGAGGCAGCCAAGCTGGGAGAGAGATAACACGGG	780
Qy	781	GCAGGGGTGAGGATTTCTGGGCCCTGTGCTTAAACTGTGCGTTTCATAACCAAAATCATTT	840
Db	781	GCAGGGGTGAGGATTTCTGGGCCCTGTGCTTAAACTGTGCGTTTCATAACCAAAATCATTT	840
Qy	841	ATATTTCTAACCCCTCAAAACAAAGCTGTGTPAATATCTGATCTCTACGGTTTCCTTCTGGG	900
Db	841	ATATTTCTAACCCCTCAAAACAAAGCTGTGTPAATATCTGATCTCTACGGTTTCCTTCTGGG	900
Qy	901	CCCAACATTTCCATATATCAGGCACACTCATTTTTTAATTAATTTAGTTCCAGATCTGTA	960
Db	901	CCCAACATTTCCATATATCAGGCACACTCATTTTTTAATTAATTTAGTTCCAGATCTGTA	960
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Db	961	CTGTGACCTTTCTACACTGTAGAATAACATTACTCATTTTGTCTCAAGACCCCTTCGGTT	1020
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Db	1021	GCTGCCTAATATGACTGACTGTTTTTTCCTAAGGAGTGTTCCTGGCCCGAGGATCTGTG	1080
Qy	1081	AACAGGTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTACTATAGCACAGACATGA	1140
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Qy	1141	TCATTTACGAGTGAATTATCTAAATCAACATCATCTCAGTGTCTTTGCCCATCTGAAAT	1200
Db	1141	TCATTTACGAGTGAATTATCTAAATCAACATCATCTCAGTGTCTTTGCCCATCTGAAAT	1200
Qy	1201	TCATTTCCCACTTTTGTGCCCATCTTCAAGACCTCAAAAATGTCAATCCATTAATATCAC	1260
Db	1201	TCATTTCCCACTTTTGTGCCCATCTTCAAGACCTCAAAAATGTCAATTAATATCAC	1260
Qy	1261	GGATTAACTTTTTTTTTAAACCTGGAGAAATTCAAATGTATCATCGACTATGGGAATTTA	1320
Db	1261	GGATTAACTTTTTTTTTAAACCTGGAGAAATTCAAATGTATCATCGACTATGGGAATTTA	1320

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2101	GTGTGTGTGTGTGTACATGCCAAAGTGTGCTCTCTCTTGAGCCCAATATTTCCAGAC	2160
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2221	CTCATTTATCTCCAGTAAATGATATAATGTCATCTGTTAACATAAAAAAGTTTGAC	2280
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Db	2401	AAAAATCTTGCATTTAGGTCTCAGCTGGGGCTGTGCGATCAGCGCGGTTTGAGAAATATTCAA	2460
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Qy	2761	GCCACAACACAGCAGAGCCCAACGCGATGCTGAGATTCCTTAAATCAAGGAAACCAAGTG	2820
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Qy	2821	TCATGAGTTGAATTTCTCCTATTATGGATGCTAGCTTCTGGCCATCTCTGGCTCTCCCTTT	2880
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Qy	2881	GACACATATTAGCTTCTAGCCCTTGCTTCCACGACTTTTATCTTTTCTCCAAACACATCGC	2940
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Qy	2941	TTACCAATAGTCTCTGCTCTGTGCTTTGGAATTCCTCCCAAGAAATTTCAACGACTCT	3000
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Qy	3001	CAAGTCTTTTCTCCATCCCAACACACTGAATTCGCTAGACCTTATTTTATTTAA	3060
Db	3001	CAAGTCTTTTCTCCATCCCAACACACTGAATTCGCTAGACCTTATTTTATTTAA	3059
Qy	3061	TTTCCAATAGATGCTGCTATGGCGCTAATATTGCTTTTAGATGAACATTAGATATTAAAG	3120
Db	3060	TTTCCAATAGATGCTGCTATGGCGCT-ATATTGCTTTAGATGAACATTAGATATTAAAG	3118
Qy	3121	TCTAAGAGTTCAAAATCCAACTCATTTATCTCTTTTCTTCTACCTCCCTCGCTCTCT	3180
Db	3119	CTCAAGAGTTCAAAATCCAACTCATTTATCTCTCTTTCTTTTCACT-CCCTGCTCTCT	3177
Qy	3181	CCCTATATTACTGATTG-ACTGAACAGGATGGTCCCCAA-GATGCCAGTCAATAGAGAAA	3238
Db	3178	CCCTATATTACTGATTGACTGAACAGATGGTCCCCAAATGTAGCCATGCAATAGAGAAA	3237
Qy	3239	CCCACTGGCTCTCTTGTGGATCATGCATGCAAGACTGCTGGAAGCCAG-AGGATGACTGATT	3297
Db	3238	CCCACTGGCTCTTGTGGTATCATGCATGCAAGACTGCTGGAAGCCAGATGACTGATT	3297
Qy	3298	ACGCCCTCATGGGTGGAGGGGACCACTCCTGGGCCCTCGTGATTGTCTAGGAGCAAGACCTG	3357
Db	3298	ACGCCCTCATGGGTGGAGGGGACCACTCCTGGGCCCTCTGTTGTTGTCTAGGAGCAAGACCTG	3357
Qy	3358	AGATGCTCCCTGCGCTTCAGTGTCTCTGCGATCTCCCTTTCTAATGAAGATCCATAGAAAT	3417
Db	3358	AGATGCTCCCTGCGCTTCAGTGTCTCTGCGATCTCCCTTTCTAATGAAGATCCATAGAAAT	3417
Qy	3418	TTGCTACATTTTGAAATTTCCAAATTAGGAACCTCACATGTTTTATCTGCGCCCTATCAATTTT	3477
Db	3418	TTGCTACATTTTGAAATTTCCAAATTAGGAACCTCACATGTTTTATCTGCGCCCTATCAATTTT	3477
Qy	3478	TAAACTTGCTGAAATTTAAGTTTTTTTCAAAATCTGCTGTGTAATTTACTTTTTTCTTACA	3537

RESULT 3

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US-09-780-669-690
; Sequence 690, Application US/09780669
; Patent NO. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Iasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; OF DIAGNOSIS OF PROSTATE
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-690

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Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

Qy	1	ACAGAAGAAATAGCAAGTCCGAGAGAGCTGCATCAGAAAAACAGAGGGAGATTGTGT	60
Db	1	ACAGAAGAAATAGCAAGTCCGAGAGAGCTGCATCAGAAAAACAGAGGGAGATTGTGT	60
Qy	61	GGCTGAGCGGAGGAGACCAGGAAGATCTCCATGTTGGGAAGGACCTGATGATACAGAG	120
Db	61	GGCTGAGCGGAGGAGACCAGGAAGATCTCCATGTTGGGAAGGACCTGATGATACAGAG	120
Qy	121	GAAATTACAACATATACTTAGTTAGTTTCCTCAATGAACCAACAGATAAATAAGTGGAAGAGCTA	180
Db	121	GAAATTACAACATATACTTAGTTAGTTTCCTCAATGAACCAACAGATAAATAAGTGGAAGAGCTA	180
Qy	181	GTCCGCTGTGAGTCTCCTCAGTGCACACAGGGCTGGATCACCATCGACGCCACTTTCTGAG	240
Db	181	GTCCGCTGTGAGTCTCCTCAGTGCACACAGGGCTGGATCACCATCGACGCCACTTTCTGAG	240
Qy	241	TACTCAGTGCAGCAAAGAAGACTACAGACATCTCAATGGCAGGGGTGAGAAAATAAGAAA	300
Db	241	TACTCAGTGCAGCAAAGAAGACTACAGACATCTCAATGGCAGGGGTGAGAAAATAAGAAA	300
Qy	301	GGTGTGTAATTTCATCTGAGGCCACATCTCTGCTGAAATGGAGATAATTTAACATCAC	360
Db	301	GGTGTGTAATTTCATCTGAGGCCACATCTCTGCTGAAATGGAGATAATTTAACATCAC	360

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1321 ATTACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCTTTTATCCCTCCCTTTGTTT 1380
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1681 CTAAAGGTGTAATTTGATTATAAGGTTTAGATAATATGAATGAAGGCCACAGA 1740
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2761 GCCACAACCAACAGCAGGACCCCAACGATCTCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820
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Db |||||
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QY |||||
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QY |||||
2941 TTACCAATCT 3000
Db |||||
2941 TTACCAATCT 3000
QY |||||
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3178 CCTATATTACTGATGCACTGAACAGCATGGTCCCAATGTAGCCATGCAATAGAGAAA 3237
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3238 CCCAGTGGCTCCTTTGGTATCATGCAATGCAAGACTGCTGAAGCCAGAGGATGACTGATT 3297
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QY |||||
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QY |||||
3478 TAAACTTGCTGAAAAATAAGTTTCTTCAAAATCTGCTTGTAAATTTACTTTTCTTACA 3537
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QY |||||
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US-09-822-827-690
; Sequence 690, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

QY 1 ACAGAGAATAATAGCAAGTCCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db 1 ACAGAGAATAATAGCAAGTCCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
QY 61 GGCTCAGCCGAGGAGGACAGGAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAG 120
Db 61 GGCTCAGCCGAGGAGGACAGGAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAG 120
QY 121 GAATTACAACATATACCTTAGTGTTCATGAAACCAAGATAAATAGTGAAGAGCTA 180
Db 121 GAATTACAACATATACCTTAGTGTTCATGAAACCAAGATAAATAGTGAAGAGCTA 180
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
QY 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
Db 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
QY 301 GGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
Db 301 GGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
QY 361 TAGAAACAGCAAGATGACAAATAATGTTCTAAGTAGTGACATGTTTTCACATTTCCAG 420
Db 361 TAGAAACAGCAAGATGACAAATAATGTTCTAAGTAGTGACATGTTTTCACATTTCCAG 420
QY 421 CCCCTTTAAATATCCACACACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
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QY 481 AATGCCGGCCCGCCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGCTGGTCCCGTTGT 540
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QY 601 TCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAATGAAGTCAACAAAGTGAG 660
Db 601 TCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAATGAAGTCAACAAAGTGAG 660
QY 661 CATTACCATGAGAGGAAAAACAGACAGAAATCTTGTGGCTTCAACAGATCGCAACA 720
Db 661 CATTACCATGAGAGGAAAAACAGACGAGAAAAATCTTGTGGCTTCAACAGATCGCAACA 720
QY 721 AACAAATGGATACCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATTAACACGGG 780
Db 721 AACAAATGGATACCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATTAACACGGG 780

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Ds	781	GCAGGGTCAGGATTCTGGGCCCTGCCTAAACTGTGGTTTCATTAACCAAAATCATTTTC	840
Qy	841	ATATTTCTAACCCCTCAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTCCTTCTGGG	900
Ds	841	ATATTTCTAACCCCTCAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTCCTTCTGGG	900
Qy	901	CCCAACATTTCTCCATATATCCAGGCACACTCAATTTTAAATATTTAGTTCAGATCTGTA	960
Ds	901	CCCAACATTTCTCCATATATCCAGGCACACTCAATTTTAAATATTTAGTTCAGATCTGTA	960
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Ds	961	CTGTGACCTTTCTACACTGTAGATAATACATTTACTCTTTGTTTCAAAGACCCCTTCGGT	1020
Qy	1021	GCTGCCATAATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTGGCCCCAGGGATCTGTG	1080
Ds	1021	GCTGCCATAATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTGGCCCCAGGGATCTGTG	1080
Qy	1081	AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTATATCTTACTAGCACACAGATGA	1140
Ds	1081	AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTATATCTTACTAGCACACAGATGA	1140
Qy	1141	TCATTACGGAGTGAATTATCTAAATCAACATCATCTCTCAGTGTCTTTGCCCATCTGAAAT	1200
Ds	1141	TCATTACGGAGTGAATTATCTAAATCAACATCATCTCTCAGTGTCTTTGCCCATCTGAAAT	1200
Qy	1201	TCATTTCGCATTTTGTGGCCCATTTCTCAAGACTTCAAAATGTCAATTCATTAATCACA	1260
Ds	1201	TCATTTCGCATTTTGTGGCCCATTTCTCAAGACTTCAAAATGTCAATTCATTAATCACA	1260
Qy	1261	GGATTAACTTTTTTTTTTAACTCGAAGAAATTCAAATGTTCATCGACTATGGGAATTTA	1320
Ds	1261	GGATTAACTTTTTTTTTTAACTCGAAGAAATTCAAATGTTCATCGACTATGGGAATTTA	1320
Qy	1321	ATTTACATATTTTGTTCAGTGCAGAGATGACTAAGTTCCTTTATCCCTCCCTTTGTTT	1380
Ds	1321	ATTTACATATTTTGTTCAGTGCAGAGATGACTAAGTTCCTTTATCCCTCCCTTTGTTT	1380
Qy	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTGTACTGAGGCTGTATACAGCAC	1440
Ds	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTGTACTGAGGCTGTATACAGCAC	1440
Qy	1441	AGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCAGCATCAACCCCTCCCATACCACT	1500
Ds	1441	AGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCAGCATCAACCCCTCCCATACCACT	1500
Qy	1501	AAACAAAATCTAATCTGTGTAATTCCTGAAATGTGAGGACATATTTCTTCTGCGCT	1560
Ds	1501	AAACAAAATCTAATCTGTGTAATTCCTGAAATGTGAGGACATATTTCTTCTGCGCT	1560
Qy	1561	GAGAAAGCTCTTCCTTGTCTCTTAAATCTAGAAATGTAAGTTTTCGAAATGAGTGA	1620
Ds	1561	GAGAAAGCTCTTCCTTGTCTCTTAAATCTAGAAATGTAAGTTTTCGAAATGAGTGA	1620
Qy	1621	TCCTTACTTCATGCAAGGAGCACATATGAGATTCATCATCATGAGACAGCAAAATA	1680
Ds	1621	TCCTTACTTCATGCAAGGAGCACATATGAGATTCATCATCATGAGACAGCAAAATA	1680
Qy	1681	CTAAAGTGTAATTTGATTTAAGAGTTTATAGATAAATATGAAATCGAAGGCCACAGA	1740
Ds	1681	CTAAAGTGTAATTTGATTTAAGAGTTTATAGATAAATATGAAATCGAAGGCCACAGA	1740
Qy	1741	GGGAATGTTTATGGGGCAGCTTTGTAAGCCCTGGGATGTGAAGCAAGGACAGGAACTCA	1800
Ds	1741	GGGAATGTTTATGGGGCAGCTTTGTAAGCCCTGGGATGTGAAGCAAGGACAGGAACTCA	1800
Qy	1801	TAGTATCTTATATAATATATCTTCAATTTCTTATCTTATCATAATATCCAAAGCTTTT	1860
Ds	1801	TAGTATCTTATATAATATATCTTCAATTTCTTATCTTATCATAATATCCAAAGCTTTT	1860

Qy	1861	CACAGAAATTCAGCAGTGCAGAAATCCCAAGGCTACCTTTATCCATTTTCATGGTGAGTGC	1920
Db	1861	CACAGAAATTCAGCAGTGCAGAAATCCCAAGGCTACCTTTATCCATTTTCATGGTGAGTGC	1920
Qy	1921	GC'TTTAGAAATTTTGGCAAAATCATACTGGTCACTTATCTCAA'CTTTGAGATGTGTTTGTCC	1980
Db	1921	GC'TTTAGAAATTTTGGCAAAATCATACTGGTCACTTATCTCAA'CTTTGAGATGTGTTTGTCC	1980
Qy	1981	TTGTAGTTAATTGAAAGAAATAGGGCACTCTTGTGAGGCCACTTTTAGGGTTCACTCCTGGC	2040
Db	1981	TTGTAGTTAATTGAAAGAAATAGGGCACTCTTGTGAGGCCACTTTTAGGGTTCACTCCTGGC	2040
Qy	2041	AATAAAGAAATTTACAAGAGCTACTCAGGACCAAGTTGTTTAAGAGCTCTGTGTGTGTGTGT	2100
Db	2041	AATAAAGAAATTTACAAGAGCTACTCAGGACCAAGTTGTTTAAGAGCTCTGTGTGTGTGTGT	2100
Qy	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTCTGTGACCCATTAATTTTCAGAC	2160
Db	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTCTGTGACCCATTAATTTTCAGAC	2160
Qy	2161	TTAAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCACCATAT	2220
Db	2161	TTAAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCACCATAT	2220
Qy	2221	CTCATTTATTCTCCAGTAAATGTGATAAATGTCATCTCTTAAACATAAAAAAGTTTTCAC	2280
Db	2221	CTCATTTATTCTCCAGTAAATGTGATAAATGTCATCTCTTAAACATAAAAAAGTTTTCAC	2280
Qy	2281	TTCCAAAAAGCAGCTGGAAATGGACAACAATAATGCAATAATCTAACTCCTACCATCA	2340
Db	2281	TTCCAAAAAGCAGCTGGAAATGGACAACAATAATGCAATAATCTAACTCCTACCATCA	2340
Qy	2341	GCTACACACTGCTTGACATATATTTGTTAGAAGCACCTCGCATTTCTGGGTTCTCTTAAAGC	2400
Db	2341	GCTACACACTGCTTGACATATATTTGTTAGAAGCACCTCGCATTTCTGGGTTCTCTTAAAGC	2400
Qy	2401	AAAATACTTGCAATTAGGTTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460
Db	2401	AAAATACTTGCAATTAGGTTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460
Qy	2461	TTCTCAGCAGNAGCCAGAAATTTGAAATCCCTCATCTTTTAGGAATCATTTACCAGGTTTG	2520
Db	2461	TTCTCAGCAGNAGCCAGAAATTTGAAATCCCTCATCTTTTAGGAATCATTTACCAGGTTTG	2520
Qy	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACTAAATGTCTCTGAACTTCTGTCCTCTTTG	2580
Db	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACTAAATGTCTCTGAACTTCTGTCCTCTTTG	2580
Qy	2581	TGTTCAATGATAGTCCAAATAATATGTTATCTTTGAACTGATGTCTCATAGAGAGAATA	2640
Db	2581	TGTTCAATGATAGTCCAAATAATATGTTATCTTTGAACTGATGTCTCATAGAGAGAATA	2640
Qy	2641	TAGAAACTCTGAGTGATATCAACATTTAGGGAATTCAGAGAAATATTAGATTTAAGCTCACA	2700
Db	2641	TAGAAACTCTGAGTGATATCAACATTTAGGGAATTCAGAGAAATATTAGATTTAAGCTCACA	2700
Qy	2701	CTGGTCAAAAGGAAACCAAGATACAAGAACTCTGAGCTGTCAATGTCGCCCATCTCTGTGA	2760
Db	2701	CTGGTCAAAAGGAAACCAAGATACAAGAACTCTGAGCTGTCAATGTCGCCCATCTCTGTGA	2760
Qy	2761	GCCACAACCAACAGCAGGACCCAAACGATGCTGAGATCCTTTAAATCAAGGAAACCAAGTG	2820
Db	2761	GCCACAACCAACAGCAGGACCCAAACGATGCTGAGATCCTTTAAATCAAGGAAACCAAGTG	2820
Qy	2821	TCAATGAGTTGAAATTCCTCTATTATGSAATGCTAGCTTCTGGCCATCTCTGGCTCTCCTCTT	2880
Db	2821	TCAATGAGTTGAAATTCCTCTATTATGSAATGCTAGCTTCTGGCCATCTCTGGCTCTCCTCTT	2880
Qy	2881	GACACATATAGCTTCTAGCCTTTGCTTCCACGACTTTTATCTTTTCTTCCACACATGCG	2940
Db	2881	GACACATATAGCTTCTAGCCTTTGCTTCCACGACTTTTATCTTTTCTTCCACACATGCG	2940
Qy	2941	TTACCAATCCTCTCTCTGCTGTGTTGCTTTTGACITTCGCCACAAGAAATTTTCAACGACTCT	3000

Db 2941 TTACCAATCTCTCTGCTGCTGCTTGGACTTCCCAAGAAATTTCAACGACTCT 3000
Qy 3001 CAAGTCTTTTCCATCCCAACCACTAACTGAAATGCTAGACCCCTTAATTTTAA 3060
Db 3001 CAAGTCTTTTCCATCCCAACCACTAACTGAA-TGCCTAGACCCCTTAATTTTAA 3059
Qy 3061 TTTCCAAATAGTCTGCTTATGGCTTAATTTGCTTTAGATGAACATTAATTAAG 3120
Db 3060 TTTCCAAATAGTCTGCTTATGGCT-ATAATGCTTTAGATGAACATTAATTAAG 3118
Qy 3121 TCTAAGAGGTTCAAAATCCAACTCAATATCTTCTTCTTTTCACTCCCTGCTCTCT 3180
Db 3119 CTCAGAGGTTCAAAATCCAACTCAATATCTTCTTCTTCTTCTTCACT-CCCTGCTCTCT 3177
Qy 3181 CCTATATTTACTGATTG-ACTGAACAGGATGTTCCCAA-GATGCCAGTCAAAATGAGAA 3238
Db 3178 CCTATATTTACTGATTGCACTGAACAGATGTTCCCAAATGATGCCAATGAGAA 3237
Qy 3239 CCAGTGGCTCTTTGTTGATCATGCAATGCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
Db 3238 CCAGTGGCTCTTTGTTGATCATGCAATGCAAGACTGCTGAAGCCAGAGGATGACTGATT 3297
Qy 3298 AGCCTCATGGGTGGAGGGGACCACTCTCGGGCTTTCGTTGATGTCAGGAGCAAGACCTG 3357
Db 3298 AGCCTCATGGGTGGAGGGGACCACTCTCGGGCTTTCGTTGATGTCAGGAGCAAGACCTG 3357
Qy 3358 AGATGCTCCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3417
Db 3358 AGATGCTCCTGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3417
Qy 3418 TTGCTACATTTGAGAAATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3477
Db 3418 TTGCTACATTTGAGAAATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3477
Qy 3478 TAAATCTGCTGAAATTAAGTTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3537
Db 3478 TAAATCTGCTGAAATTAAGTTTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3537
Qy 3538 GTGCTTGGCTATCATATCACTTTGATTTCTTTGTTACAACTTT 3582
Db 3538 GTGCTTGGCTATCATATCACTTTGATTTCTTTGTTACAACTTT 3582

RESULT 5

US-09-895-793-690

; Sequence 690, Application US/09895793

; Publication No. US20020192763A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

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; APPLICANT: Jiang, Xuqiu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals de Bassols, Carlota

; APPLICANT: Foy, Teresa

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.534C2

; CURRENT APPLICATION NUMBER: US/09/895,793

; CURRENT FILING DATE: 2001-06-29

; NUMBER OF SEQ ID NOS: 982

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-895-793-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;

Best Local Similarity 99.6%; Pred No. 0;

Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

Qy 1 ACAGAAGAAATAGCAAGTGCAGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60

Db 1 ACAGAAGAAATAGCAAGTGCAGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60

Qy 61 GGCTGCAGCCGAGGAGACCAAGAGATCTGCATGGTGGGAAGGACCTGATGATACAG 120

Db 61 GGCTGCAGCCGAGGAGACCAAGAGATCTGCATGGTGGGAAGGACCTGATGATACAG 120

Qy 121 GAAATTACAAACATATCTTGTTCATGAACACCAAGATAAATAGTGAAGAGCTA 180

Db 121 GAAATTACAAACATATCTTGTTCATGAACACCAAGATAAATAGTGAAGAGCTA 180

Qy 181 GTCCGCTGTGAGTCTCTTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTCTGAG 240

Db 181 GTCCGCTGTGAGTCTCTTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTCTGAG 240

Qy 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300

Db 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300

Qy 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC 360

Db 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC 360

Qy 361 TAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAG 420

Db 361 TAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAG 420

Qy 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGAGGAGGAGGAGGAGGAGGAGGAG 480

Db 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGAGGAGGAGGAGGAGGAGGAGGAG 480

Qy 481 AATGCCCGGCCCATCTTTGGTTCATCGATGAGCCTCGCCTGCTGCTGCTGCTGCTGCTGCT 540

Db 481 AATGCCCGGCCCATCTTTGGTTCATCGATGAGCCTCGCCTGCTGCTGCTGCTGCTGCTGCT 540

Qy 541 GAGGAAGGACATTTAGAAAATGAATTTGATGTTCTTTAAAGGATGGGAGGAGGAGGAGGAG 600

Db 541 GAGGAAGGACATTTAGAAAATGAATTTGATGTTCTTTAAAGGATGGGAGGAGGAGGAGGAG 600

Qy 601 TCCTGTTGATATTTTAAAGCGGATTTACAGATTGAAATGAAATGAAATGAAATGAAATGAA 660

Db 601 TCCTGTTGATATTTTAAAGCGGATTTACAGATTGAAATGAAATGAAATGAAATGAAATGAA 660

Qy 661 CATTACCAATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720

Db 661 CATTACCAATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720

Qy 721 AACAAAATGGAATCTGTGATGACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780

Db 721 AACAAAATGGAATCTGTGATGACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 780

Qy 781 GCAGAGGTCAGGATTTTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840

Db 781 GCAGAGGTCAGGATTTTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840

Qy 841 ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTTCTGG 900

Db 841 ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTTCTGG 900

Db 841 ATATTCTTAACCCCTCAAAACAAAGCTGTTGTATAATCTGATCTCTACGGTTCCTTCTGGG 900
QY CCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATATTAGTTCCCGAGATCTGTA 960
Db
QY CCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATATTAGTTCCCGAGATCTGTA 960
QY CTGTGACCTTTTCTACACTGTAGAATAAATTAATCTCAATTTTGTTCAAAGACCCTTCGTGTT 1020
Db CTGTGACCTTTTCTACACTGTAGAATAAATTAATCTCAATTTTGTTCAAAGACCCTTCGTGTT 1020
QY GCTGCTTAATATGTAGTCACTGTTTTCCTTAAGAGTGTTCCTGSCCCAGGGATCTGTG 1080
Db GCTGCTTAATATGTAGTCACTGTTTTCCTTAAGAGTGTTCCTGSCCCAGGGATCTGTG 1080
QY AACAGGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATACCTTACTAGCACACAGCATGA 1140
Db AACAGGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATACCTTACTAGCACACAGCATGA 1140
QY TCATTACGGAGTGAATTAATCTAATCAACATCATCTCTCAGTGTCTTTGGCCCACTCTGAAT 1200
Db TCATTACGGAGTGAATTAATCTAATCAACATCATCTCTCAGTGTCTTTGGCCCACTCTGAAT 1200
QY TCATTTCCCACATTTTGTGCCCCATCTCAAGACCTCAAAATGTCATTTCCATTAATATCA 1260
Db TCATTTCCCACATTTTGTGCCCCATCTCAAGACCTCAAAATGTCATTTCCATTAATATCA 1260
QY GGATTAACATTTTTCCTGAGTGAATTTCAATGTTTACATGACGCTATCGGGAATTTA 1320
Db GGATTAACATTTTTCCTGAGTGAATTTCAATGTTTACATGACGCTATCGGGAATTTA 1320
QY ATTACATATTTTGTTCAGTGCAAGATGCTAAGTCTTTTATCCCTCCCTTTGTTT 1380
Db ATTACATATTTTGTTCAGTGCAAGATGCTAAGTCTTTTATCCCTCCCTTTGTTT 1380
QY GATTTTTCCTCAGTAAAGTTAAATGCTTAGCCTTGTACTGAGGCTGTATACAGAC 1440
Db GATTTTTCCTCAGTAAAGTTAAATGCTTAGCCTTGTACTGAGGCTGTATACAGAC 1440
QY AGCCTCTCCCCATCCCTCCAGCCTTATCTGTCATCAACATCAACCCCTCCCATACCACT 1500
Db AGCCTCTCCCCATCCCTCCAGCCTTATCTGTCATCAACATCAACCCCTCCCATACCACT 1500
QY AAAAATAATCTAATCTGTAATTTCTTTGAACATGTCAGGACATACATTAATCTCTGCT 1560
Db AAAAATAATCTAATCTGTAATTTCTTTGAACATGTCAGGACATACATTAATCTCTGCT 1560
QY GAGAAGCTCTTCTCTCTCTTAAATCTAGAAATGATTAAGTTTGAATTAAGTTGACTA 1620
Db GAGAAGCTCTTCTCTCTCTTAAATCTAGAAATGATTAAGTTTGAATTAAGTTGACTA 1620
QY TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATCATGAGACAGACAAATA 1680
Db TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATCATGAGACAGACAAATA 1680
QY CTAAAAGTGAATTTGATTAAGAGTTTAGATAAATATATAATGAATGCAAGAGCCACAGA 1740
Db CTAAAAGTGAATTTGATTAAGAGTTTAGATAAATATATAATGAATGCAAGAGCCACAGA 1740
QY GGGAAATGTTTATGGGACGTTTGTAAAGCCTGGGATGTAAGCAAGGCGAGGAACTTCA 1800
Db GGGAAATGTTTATGGGACGTTTGTAAAGCCTGGGATGTAAGCAAGGCGAGGAACTTCA 1800
QY TAGTATCTTATATAATATATCTTCAATTTCTATCTCTATCAAAATATCAAAAGCTTTT 1860
Db TAGTATCTTATATAATATATCTTCAATTTCTATCTCTATCAAAATATCAAAAGCTTTT 1860
QY CACAGAAATTCATGCGAGTGAATTCGCCAAAGGTAACTTTTATCCATTTTCATGGTGA 1920
Db CACAGAAATTCATGCGAGTGAATTCGCCAAAGGTAACTTTTATCCATTTTCATGGTGA 1920
QY GCTTTAGAAATTTTGGCAATCATACTGGTCACTTATCTCAATCTTTCAGATGTTTGTGCC 1980
Db GCTTTAGAAATTTTGGCAATCATACTGGTCACTTATCTCAATCTTTCAGATGTTTGTGCC 1980

QY TTGTAGTTAAATTGAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCTGGC 2040
Db TTGTAGTTAAATTGAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCTGGC 2040
QY AATAAAGAAATTTACAAGAGCTTACTCAGGACAGTTGTTAAAGAGCTCTGTGTGTGTGT 2100
Db AATAAAGAAATTTACAAGAGCTTACTCAGGACAGTTGTTAAAGAGCTCTGTGTGTGTGT 2100
QY GTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTCTGACCCCATTTATTTTCAGAC 2160
Db GTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTCTGACCCCATTTATTTTCAGAC 2160
QY TTAACCAAGCATGTTTTCAAATGGCACTATGAGCTGCAATGATGATCATCACCACATAT 2220
Db TTAACCAAGCATGTTTTCAAATGGCACTATGAGCTGCAATGATGATCATCACCACATAT 2220
QY CTCAATTTCTCCAGTAAATGATTAATGTCATCTGTTTAAACATAAAAAAAGTTTGCAC 2280
Db CTCAATTTCTCCAGTAAATGATTAATGTCATCTGTTTAAACATAAAAAAAGTTTGCAC 2280
QY TTCACAAAGCAGCTGGAAATGGCAACCAATATGATTAATCTAACTCTACCATCA 2340
Db TTCACAAAGCAGCTGGAAATGGCAACCAATATGATTAATCTAACTCTACCATCA 2340
QY GCTACACACTCTCTTGACATATTTGTTAGAGCACCTCGCATTTTGTGGGTTCTCTTAAGC 2400
Db GCTACACACTCTCTTGACATATTTGTTAGAGCACCTCGCATTTTGTGGGTTCTCTTAAGC 2400
QY AAAATCTTGTGATTTAGTCTCAGCTGGGGCTGTGCATCAGCGGGTTTGAGAAATATTCAA 2460
Db AAAATCTTGTGATTTAGTCTCAGCTGGGGCTGTGCATCAGCGGGTTTGAGAAATATTCAA 2460
QY TTCTCAGCAGAAAGCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTACAGGTTTG 2520
Db TTCTCAGCAGAAAGCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTACAGGTTTG 2520
QY GAGAGGATTCAGACAGCTCAGTGTCTTCACTAATGTCCTGAACTTCTGTCCTCTTTTG 2580
Db GAGAGGATTCAGACAGCTCAGTGTCTTCACTAATGTCCTGAACTTCTGTCCTCTTTTG 2580
QY TGTTCATGGATAGTCCCAATTAATTAATGTTAATCTTTTGAATCTGCTCATAGAGAGAATA 2640
Db TGTTCATGGATAGTCCCAATTAATTAATGTTAATCTTTTGAATCTGCTCATAGAGAGAATA 2640
QY TAAGAACTCTGAGTGATATCAACATTTAGGAAATCAAGAAATATTAGATTTTAAAGCTCACA 2700
Db TAAGAACTCTGAGTGATATCAACATTTAGGAAATCAAGAAATATTAGATTTTAAAGCTCACA 2700
QY CTGCTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGTCCTCCCATCTCTGTGA 2760
Db CTGCTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGTCCTCCCATCTCTGTGA 2760
QY GCCAACCAACAGCAGAGACCCACCGCATGTCGAGATCCCTTAAATCAAGGAAACCAAGTG 2820
Db GCCAACCAACAGCAGAGACCCACCGCATGTCGAGATCCCTTAAATCAAGGAAACCAAGTG 2820
QY TCATGAGTTGAATTTCTCTATTTATGGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880
Db TCATGAGTTGAATTTCTCTATTTATGGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880
QY GACACATATTAGCTTTAGCCTTTGCTTCCACGACTTATCTTTTCTCCACACATCGC 2940
Db GACACATATTAGCTTTAGCCTTTGCTTCCACGACTTATCTTTTCTCCACACATCGC 2940
QY TTAACCAATCTCTCTGCTCTGTTTGGATTTCCCAAGAAATTTCAAAGCTCT 3000
Db TTAACCAATCTCTCTGCTCTGTTTGGATTTCCCAAGAAATTTCAAAGCTCT 3000
QY CAAGTCTTTTCTTCATCCCAACCACTAACTGAACTGAGCCCTTATTTTATTTAA 3060
Db CAAGTCTTTTCTTCATCCCAACCACTAACTGAA- TGCCTAGACCTTATTTTATTTAA 3059

QY 3061 TTTCATATAGATGCTGCTATGGCTAAATATTCCTTTAGATGAACATATAGATATTTAAAG 3120
Db |||||
QY 3060 TTTCATATAGATGCTGCTATGGCT-ATATTCCTTTAGATGAACATATAGATATTTAAAG 3118
Db |||||
QY 3121 TCTAAGAGGTTCAAAATCCAACTCATATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3180
Db |||||
QY 3119 CTCAGAGGTTCAAAATCCAACTCATATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3177
Db |||||
QY 3181 CCCTATATTACTGATTG-ACCTGAACAGGATGGTCCCAA-GATGCCAGTCAAAATGAGAAA 3238
Db |||||
QY 3178 CCCTATATTACTGATTGCACTGAACAGCATGGTCCCCAATGTAGCCATGCAATGAGAAA 3237
Db |||||
QY 3239 CCCAGTGGCTCTCTGTGGATCATGATGCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
Db |||||
QY 3238 CCCAGTGGCTCTCTGTGGTACATGCAATGCAAGACTGCTGAAGCCAGAGGATGACTGATT 3297
Db |||||
QY 3298 AGCCCTCATGGGTGGAGGGGACCACTCTCTGGGCTCTCTGTGATTGTGAGGAGCAAGACCTG 3357
Db |||||
QY 3298 AGCCCTCATGGGTGGAGGGGACCACTCTCTGGGCTCTCTGTGATTGTGAGGAGCAAGACCTG 3357
Db |||||
QY 3358 AGATGCTCCCTGCTCTCAGTGCTCTGATGCTCTGATCTCCCTTTCTTAATGAAGATCCATAGAAT 3417
Db |||||
QY 3418 TTGCTACATTTGAGAAATTCGAATTAGGAATCAGATCTCATGTTTATCTGCCCTATCAATTTT 3477
Db |||||
QY 3418 TTGCTACATTTGAGAAATTCGAATTAGGAATCAGATCTCATGTTTATCTGCCCTATCAATTTT 3477
Db |||||
QY 3478 TAACTTGCTGAAAATTAAGTTTTCAAAATCTGCTCTGTAATTTACTTTTCTTACA 3537
Db |||||
QY 3478 TAACTTGCTGAAAATTAAGTTTTCAAAATCTGCTCTGTAATTTACTTTTCTTACA 3537
Db |||||
QY 3538 GTGCTTGCCACTATATCAACTTTGATTCTTTGTTTACAACCTTT 3582
Db |||||
QY 3538 GTGCTTGCCACTATATCAACTTTGATTCTTTGTTTACAACCTTT 3582
Db |||||

RESULT 6

US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923

; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-690
Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;
QY 1 ACAGAGAATAAGCAAGTCCGAGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db |||||
QY 1 ACAGAGAATAAGCAAGTCCGAGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db |||||
QY 61 GGCTGAGCCGAGGAGGAGACACAGAGATCTGATGGTGGGAAGAGCCTGATGATACAGAG 120
Db |||||
QY 61 GGCTGAGCCGAGGAGGAGACACAGAGATCTGATGGTGGGAAGAGCCTGATGATACAGAG 120
Db |||||
QY 121 GAATTACAAACATATACCTTCTAGTGTTCATCAACCAAGATTAATAAGTGAAGAGCTA 180
Db |||||
QY 121 GAATTACAAACATATACCTTCTAGTGTTCATCAACCAAGATTAATAAGTGAAGAGCTA 180
Db |||||
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCAACATCGACGGCCTTTCTGAG 240
Db |||||
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCAACATCGACGGCCTTTCTGAG 240
Db |||||
QY 241 TACTCAGTGCACAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
Db |||||
QY 241 TACTCAGTGCACAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
Db |||||
QY 301 GGCTGCTGACTTTTACCATCTGAGGGCCACACATCTCTGAAATGGAGATTAATAACATC 360
Db |||||
QY 301 GGCTGCTGACTTTTACCATCTGAGGGCCACACATCTCTGAAATGGAGATTAATAACATC 360
Db |||||
QY 361 TAGAAACAGCAGATGCAATAATATGCTTAAGTAGTGACATGTTTTCACATTTCCAG 420
Db |||||
QY 361 TAGAAACAGCAGATGCAATAATATGCTTAAGTAGTGACATGTTTTCACATTTCCAG 420
Db |||||
QY 421 CCCCTTTAAATCCACACACACAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGA 480
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QY 421 CCCCTTTAAATCCACACACACAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGA 480
Db |||||
QY 481 AATGCCCGGCCCATCTGGGTGATCGATGAGCCCTCGCCCTGCTGCTGGTCCCGTCTGT 540
Db |||||
QY 481 AATGCCCGGCCCATCTGGGTGATCGATGAGCCCTCGCCCTGCTGCTGGTCCCGTCTGT 540
Db |||||
QY 541 GAGGGAAGGACATTAGAAAAATGAATTTGATGTTCTTTAAAGGATGGGAGGAAACAGA 600
Db |||||
QY 541 GAGGGAAGGACATTAGAAAAATGAATTTGATGTTCTTTAAAGGATGGGAGGAAACAGA 600
Db |||||
QY 601 TCCTGTTGGATATTTATTTGAACGGGATACAGATTTGAAATGAAGTCAAAAAGTGAG 660
Db |||||
QY 601 TCCTGTTGGATATTTATTTGAACGGGATACAGATTTGAAATGAAGTCAAAAAGTGAG 660
Db |||||
QY 661 CATTACCAATGAGAGGAAAAACAGAGCAAAATCTTGATGGCTTCACAGACATGCAACA 720
Db |||||
QY 661 CATTACCAATGAGAGGAAAAACAGAGCAAAATCTTGATGGCTTCACAGACATGCAACA 720
Db |||||
QY 721 AACAAAAATGGAATCTGTGATGACATGAGGCAAGCCAAAGCTGGGGAGGAGATTAACACGG 780
Db |||||
QY 721 AACAAAAATGGAATCTGTGATGACATGAGGCAAGCCAAAGCTGGGGAGGAGATTAACACGG 780
Db |||||
QY 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTCGGTTCATTAACCAATCATTTTC 840
Db |||||
QY 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTCGGTTCATTAACCAATCATTTTC 840
Db |||||
QY 841 ATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCACGGTTCCTCTGGG 900
Db |||||
QY 841 ATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCACGGTTCCTCTGGG 900
Db |||||
QY 901 CCCAACATTTCTCATATATCCAGCCACACTCATTTTTTAATATTAGTTCACAGATCTGTA 960
Db |||||
QY 901 CCCAACATTTCTCATATATCCAGCCACACTCATTTTTTAATATTAGTTCACAGATCTGTA 960
Db |||||
QY 961 CTGTGACCTTTCTACATGTAGATAAATTAATCTCATTTTGTTCAAAGACCCTTCGTGTT 1020
Db |||||

||||| 961 CTGTGACCTTTCTACACTGTAGAAATCAATTTACTCATTTTGTTCAAAGACCCCTCTGTGT 1020
Db
||||| 1021 GCTGCCATAATAGTAGCTCACTGTTTTCCTTAAGAGAGTCTCTGGCCCAAGGGATCTGTG 1080
Qy
||||| 1021 GCTGCCATAATAGTAGCTCACTGTTTTCCTTAAGAGAGTCTCTGGCCCAAGGGATCTGTG 1080
Db
||||| 1081 AACAGSCTGGGAGCATCTCAAGATCTTTCAGAGGTTATCTACTAGCACACAGCATGA 1140
Qy
||||| 1081 AACAGSCTGGGAGCATCTCAAGATCTTTCAGAGGTTATCTACTAGCACACAGCATGA 1140
Db
||||| 1141 TCATTACGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAAT 1200
Qy
||||| 1141 TCATTACGAGTGAATTTATCTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAAT 1200
Db
||||| 1201 TCATTTCACATTTTGTGCCCCATCTCAAGACCTCAAAATGTCATTCCCAATTAATATCA 1260
Qy
||||| 1201 TCATTTCACATTTTGTGCCCCATCTCAAGACCTCAAAATGTCATTCCCAATTAATATCA 1260
Db
||||| 1261 GGATTAACCTTTTTTAAACCTGGAAGAAATCAATGTTTACATGCAAGCTATGGGAATTTA 1320
Qy
||||| 1261 GGATTAACCTTTTTTAAACCTGGAAGAAATCAATGTTTACATGCAAGCTATGGGAATTTA 1320
Db
||||| 1321 ATTACATATTTTTCAGTGCAAGATGACTAAGTCTCTTATCCCTCCCTCTTGTGTT 1380
Qy
||||| 1321 ATTACATATTTTTCAGTGCAAGATGACTAAGTCTCTTATCCCTCCCTCTTGTGTT 1380
Db
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||||| 1441 AGCCTCTCCCATCTCCCTCAGCCTTATCTGTCAATCAACCACTCAACCTCCCATACCACT 1500
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||||| 1621 TCTTACTTCATGCAAGAGGACACATATGAGATTCATCATCAATGAGACAGCAATA 1680
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||||| 1921 GCTTTAGAAATTTGGCAATCATCTGCTGCTTCTCAATCTTGAAGATGTTTGTGCC 1980
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||||| 3061 TTTTCAATAGATGCTGCTTATGGGCTAATATGCTTTTATAGATGAACATTTAGATA 3120
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Qy
||||| 3121 TCTAAGAGTTTCAAAATCCAACTCATTTCTCTTTTCTTTTCACTCCCTGCTCTCTCT 3180
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||||| 3119 CTCAGAGGTTCAAAATCCAACTCATTTCTCTTTTCTTTTCACTCCCTGCTCTCTCT 3177
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DB 3178 CCTATATTACTGATTGCACTGAACAGCATGGTCCCAATGTAGCCATGCAAAATGAGAAA 3237
QY 3239 CCAGTGGCTCCTTGTGGATCATGCAATGAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
DB 3238 CCAGTGGCTCCTTGTGGATCATGCAATGAAGACTGCTGAAGCCAGGAGATGACTGATT 3297
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DB 3478 TAACTTGTGCTGAAATTTAAAGTTTCTGCTGCTTCTGCTGCTTCTGCTGCTTCTTACA 3537
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DB 3538 GTGCTTGGCACTATATCAACTTTTGTGATTTTGTGTTTACAACCTTT 3582

RESULT 7

US-10-012-896-690
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yaseir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Foy, Teresa
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-690

Query Match

97.6%; Score 3497; DB 13; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;
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DB 1 ACAGAAAGAAATAGCAAGTCCCGAGAAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
QY 61 GGCTCAGCCGAGGAGAGACAGAAAGATCTGATGGTGGGAAGGACCTGATGATACAGAG 120
DB 61 GGCTCAGCCGAGGAGAGACAGAAAGATCTGATGGTGGGAAGGACCTGATGATACAGAG 120
QY 121 GAATTACACACATATCTTAGTGTTCATGAAACCAAGATTAATAGTGAAGACTA 180
DB 121 GAATTACACACATATCTTAGTGTTCATGAAACCAAGATTAATAGTGAAGACTA 180
QY 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCAACCATCGACGGCACTTTCTGAG 240
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QY 241 TACTCAGTGACGAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
DB 241 TACTCAGTGACGAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
QY 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
DB 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
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DB 361 TAGAAACAGCAAGATGACAAATATATGCTAAGTAGTGACATGTTTTCACATTTCCAG 420
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DB 421 CCCCTTTAAATATCCACACACACAGAAAGCAAAAGGAAGCAGAGATCCCTGGGAGA 480
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DB 481 AATGCCCGGCCCATCTTGGGTGATCGATGAGCCCTCGCCCTGTCGCTGGTCCCGCTGT 540
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DB 541 GAGGGAAGGACATTAAGAAATGAAATTTGATGTTCTTTAAAGGATGGGAGGAAACACA 600
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DB 601 TCCTGTGTGGATATTTTAAAGCGGATTAAGATTTGAAATGAAGTCAAAAGTGAAG 660
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QY 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
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QY 841 ATATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTTCTGGG 900
DB 841 ATATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTTCTGGG 900
QY 901 CCCAATTTCTCATATATCCAGCCACACTCATTTTAAATATTTAGTTCACAGATCTGTA 960
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Db 1081 AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATACTTACTAGCACACAGCATGA 1140
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Qy 2101 GT 2160
Db 2101 GT 2160

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Db 2281 TTCAAAAAGCAGCTGGAAATGGACCAACAATATGCAATAAATCTAACTCTACCATCA 2340
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RESULT 10
US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolck, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690

Query Match 97.6%; Score 3497; DB 16; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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 3181 CCTATATTTACTGATTTG-ACTGAAACAGGATGGTCCCCAA-GATGCCAGTCAAAATGAGAAA 3238
 3181 CCTATATTTACTGATTTG-ACTGAAACAGGATGGTCCCCAA-GATGCCAGTCAAAATGAGAAA 3238
 3178 CCTATATTTACTGATTTGACCTGAAACAGCATGGTCCCCAATGTAGCCATGCAAAATGAGAAA 3237
 3178 CCTATATTTACTGATTTGACCTGAAACAGCATGGTCCCCAATGTAGCCATGCAAAATGAGAAA 3237
 3239 CCCAGTGGCTCTCTGTGGATCATGATGCAAGATGCTGTGAAGCCAG-AGGATGACTGATT 3297
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 3238 CCCAGTGGCTCTCTGTGGATCATGATGCAAGATGCTGTGAAGCCAGAGGATGACTGATT 3297
 3238 CCCAGTGGCTCTCTGTGGATCATGATGCAAGATGCTGTGAAGCCAGAGGATGACTGATT 3297
 3298 ACGCTCATGCTGAGGAGGAGGACCTCTGCTGGCCCTTCTGATTTGTTCAGGAGCAAGCCTG 3357
 3298 ACGCTCATGCTGAGGAGGAGGACCTCTGCTGGCCCTTCTGATTTGTTCAGGAGCAAGCCTG 3357
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 3358 AGATGCTCCCTGCTCTGATGCTCTGCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCT 3417
 3358 AGATGCTCCCTGCTCTGATGCTCTGCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCT 3417
 3418 TTGCTACATTTTGAATTTCCAAATTTAGGAACTCACAATGTTTATCTGCTCTGCTCTGCTCTGCTCT 3477
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 3478 TAACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3537
 3478 TAACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3537
 3538 GTGCTTGGGCATCTATATCAACTTTGATTTCTTTTGTACAACTTT 3582
 3538 GTGCTTGGGCATCTATATCAACTTTGATTTCTTTGTTTCAACTTT 3582

RESULT 11

US-10-880-425A-1
 ; Sequence 1, Application US/10880425A
 ; Publication No. US2005016423A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schalken, Jack A.
 ; APPLICANT: Smit, Frank
 ; APPLICANT: Hessels, Daphne
 ; APPLICANT: Verhaegh, Gerald
 ; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
 ; TITLE OF INVENTION: and Kits Therefor
 ; FILE REFERENCE: 1619.0190000/JAG/CMB
 ; CURRENT APPLICATION NUMBER: US/10/880.425A

Query Match	56.7%	Score 2032	DB 22	Length 2037
Best Local Similarity	99.6%	Pred. No. 0		
Matches 2029	Conservative 5	Mismatches 3	Indels 0	Gaps 0
Qy	23	AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCAGCCGAGGGAGACGAG	82	
Db	1	AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCAGCCGAGGGAGACGAG	60	
Qy	83	GAAGATCTGCATGTGGGAAGGACCTGATGATACAGAGGAATTAACAACATATACTTTAG	142	
Db	61	GAAGATCTGCATGTGGGAAGGACCTGATGATACAGAGGAATTAACAACATATACTTTAG	120	
Qy	143	TGTTTCAATGAACACCAAGATAAAATAAGTGAAGAGTAGTCCGCTGTGAGTCTCTCAGT	203	
Db	121	TGTTTCAATGAACACCAAGATAAAATAAGTGAAGAGTAGTCCGCTGTGAGTCTCTCAGT	180	
Qy	203	GACACAGGGCTGGATCAACATCGACGGCACATTTCTGAGTACTCAGTGCAGCAAGAAAGA	262	
Db	181	GACACAGGGCTGGATCAACATCGACGGCACATTTCTGAGTACTCAGTGCAGCAAGAAAGA	240	
Qy	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGATTTACCATCTGA	322	
Db	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGATTTACCATCTGA	300	
Qy	323	GGCCACACATCTGCTGAAATCGAGATAAATAACATCACTAGAAACAGCAAGATGACAATA	382	
Db	301	GGCCACACATCTGCTGAAATCGAGATAAATAACATCACTAGAAACAGCAAGATGACAATA	360	
Qy	383	TAATGTCTTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCAACACA	442	
Db	361	TAATGTCTTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCAACACA	420	
Qy	443	CAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG	502	
Db	421	CAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG	480	
Qy	503	TCATCGATGAGCCTCGCCCTGTGCTGGTCCGGCTTGTGAGGGAAGGACATTAGAAATG	562	
Db	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCCGGCTTGTGAGGGAAGGACATTAGAAATG	540	
Qy	563	AATTGATGTGTTCTTAAAGGATGGGAGGAAAAACAGATCTGTTGTGGATATTTATTG	622	
Db	541	AATTGATGTGTTCTTAAAGGATGGGAGGAAAAACAGATCTGTTGTGGATATTTATTG	600	
Qy	623	AACGGGATTACAGATTTGAAATGAAGTCACAAAAGTGAGCATTAACCAATGAGAGGAAAA	682	
Db	601	AACGGGATTACAGATTTGAAATGAAGTCACAAAAGTGAGCATTAACCAATGAGAGGAAAA	660	
Qy	683	GACGAGAAAAATCTTGATGGCTTCAACAAGACATGCAACAAACAAATGGAACTGTGATG	742	

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QY 1823 CATTTCTCTATCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAGTGCAAA 1882
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1801 CATTTCTCTATCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAGTGCAAA 1860
QY 1883 TCCCAAGAGTAACTTTATCCATTTATGGTGAGTGCGCTTTAGAAATTTGGCAATCA 1942
Db |||||
1861 TCCCAAGAGTAACTTTATCCATTTATGGTGAGTGCGCTTTAGAAATTTGGCAATCA 1920
QY 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTGTCCTTGTAGTTAAATTGAAAGAAATA 2002
Db |||||
1921 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTGTCCTTGTAGTTAAATTGAAAGAAATA 1980
QY 2003 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACCTCTGGCAATAAAGAAATTTTCAAGA 2059
Db |||||
1981 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACCTCTGGCAATAAAGAAATTTTCAAGA 2037

RESULT 12
US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 48.6%; Score 1742.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

QY 274 TCAATGGCAGGGGTGAGAAATGAAGAGCTGCTGACTTTTACATCTGAGGCCACACATC 333
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1302 TCAACTAAATAGGTGAGAAATGAAGAGCTGCTGACTTTTACATCTGAGGCCACACATC 1361
QY 334 TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATATATGCTAAG 393
Db |||||
1362 TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATATGCTAAG 1421
QY 394 TAGTGACATGTTTTGGCAATTTCCAGCCCTTTAAATATCCACACACAGGAGACACA 453
Db |||||
1422 TAGTGACATGTTTTGGCAATTTCCAGCCCTTTAAATATCCACACACAGGAGACACA 1481
QY 454 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCCATCTTTGGGTCAATCATGAG 513
Db |||||
1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCCATCTTTGGGTCAATCATGAG 1541
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QY 514 CCTCGCCCTGTGCGCTGTGTCCTGTCAGGAAAGGACATTTAGAAAAATGAATTTGATGT 573
Db |||||
1542 CCTCGCCCTGTGCGCTGTGTCCTGTCAGGAAAGGACATTTAGAAAAATGAATTTGATGT 1601
QY 574 TCCTTTAAGAGTGGCAGGAAAAACAGATCCTGTTGTGATATTTATTTGAACGGGATTC 633
Db |||||
1602 TCCTTTAAGAGTGGCAGGAAAAACAGATCCTGTTGTGATATTTATTTGAACGGGATTC 1661
QY 634 AGATTTGAAATGAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAAT 693
Db |||||
1662 AGATTTGAAATGAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAAT 1721
QY 694 CTTGATGGCTTTCACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAG 753
Db |||||
1722 CTTGATGGCTTTCACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAG 1781
QY 754 CCAAGCTGGGAGGAGATAAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAA 813
Db |||||
1782 CCAAGCTGGGAGGAGATAAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAA 1841
QY 814 ACTGTGCGTTTCATAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTGTAA 873
Db |||||
1842 ACTGTGCGTTTCATAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTGTAA 1901
QY 874 TATCTGATCTCTACGGTTCTCTGGGCCCAACATTTCTCCATATATTCAGGCCACACTCAT 933
Db |||||
1902 TATCTGATCTCTACGGTTCTCTGGGCCCAACATTTCTCCATATATTCAGGCCACACTCAT 1961
QY 934 TTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTCAC 993
Db |||||
1962 TTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTCAC 2021
QY 994 TCATTTTGTTCAAAAGACCCCTTCGTGTTGCTGCTCCCTAAATATGTAGTGTGACTGTTTTTCTTAA 1053
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2022 TCATTTTGTTCAAAAGACCCCTTCGTGTTGCTGCTCCCTAAATATGTAGTGTGACTGTTTTTCTTAA 2081
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Db |||||
2082 GGAGTGTTCGGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTTCAG 2141
QY 1114 GGTATATCTTACTAGCACACAGCATGATCATTCGGAGTGAATATCTAAATCAACATCAT 1173
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2142 GGTATATCTTACTAGCACACAGCATGATCATTCGGAGTGAATATCTAAATCAACATCAT 2201
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2202 CCTCAGTGTCTTTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCTCAAGACC 2261
QY 1234 TCAAAATGTCAATCCATTAATATACAGGATTAATCTTTTTTTTTTTTAACTGGAGAAATTC 1293
Db |||||
2262 TCAAAATGTCAATCCATTAATATACAGGATTAATCTTTTTTTTTTTTAACTGGAGAAATTC 2321
QY 1294 AATGTTACATGACAGTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAGAAATGAC 1353
Db |||||
2322 AATGTTACATGACAGTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAGAAATGAC 2381
QY 1354 TAAGTCTCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAAAATGCTTTA 1413
Db |||||
2382 TAAGTCTCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAAAATGCTTTA 2441
QY 1414 GCCTTGATCTGAGGCTGTATACAG- CACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTC 1472
Db |||||
2442 GCCTTGATCTGAGGCTGTATACAGCCACAGCAGCTCTCCCCATCCCTCCAGCCTTATCTGTC 2501
QY 1473 ATCACCATCAACCCCTCCCATACACACCTTAAACAAAATCTAACTTGTAAATCTCTTGAACAT 1532
Db |||||
2502 ATCACCATCAACCCCTCCCAT- GCACCTTAAACAAAATCTAACTTGTAAATCTCTTGAACAT 2560
QY 1533 GTCAGGACATACATTTTCTTCTGCGCTGAGAAGCTCTTCTGCTTAAATCTAGAA 1592
Db |||||
2561 GTCAGG- CATACATATTTCTTCTGCGCTGAGAAGCTCTTCTGCTTAAATCTAGAA 2619
QY 1593 TGATGTAAAGTTTTGAATAAGTTGACTATCTTACTTCATGCAAGAGGAGACACATATGA 1652
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Db 2620 TGAATGTAAGTTTGAATAGTTGACTATCTTACTCTTCATGCAAGAGGACACATATGA 2679
Qy 1653 GATTCATCATCATGAGACAGCAAACTACTAAAAGTGAATTTGATTATAAGAGTTTGA 1712
Db 2680 GATTCATCATCATGAGACAGCAAACTACTAAAAGTGAATTTGATTATAAGAGTTTGA 2739
Qy 1713 TAAATATATGAATGCAAGAGCCACAGAGGGGAATGTTTATGGGGCAGCTTTGTAGCCCTG 1772
Db 2740 TAAATATATGAATGCAAGAGCCACAGAGGGGAATGTTTATGGGGCAGCTTTGTAGCCCTG 2799
Qy 1773 GGATGTGAAGCAAGGACGAGCACTCATAGTATCTTATATATATATATATATATATATATAT 1832
Db 2800 GGATGTGAAGCAAGGACGAGCACTCATAGTATCTTATATATATATATATATATATATAT 2859
Qy 1833 TCTCTATCAATATATCAACAAAGCTTTTTCACAGAATTCATGAGTGCAAAATCCCAAAGG 1892
Db 2860 TCTCTATCAATATATCAACAAAGCTTTTTCACAGAATTCATGAGTGCAAAATCCCAAAGG 2919
Qy 1893 TAACTTTATCAATTCATGTTGAGTGCGCTTTAGAAATTTTGGCAAAATCATACTGTTAC 1952
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Db 2980 TTATCTCAACTTTGAGATGTTGTTGCTTGTAGTTAAATTTGAAAGAAATAGGCACTCTT 3039
Qy 2013 GTGAGCCACTTTAGGGTTCACTCTCTGGCAATTAAGAAATTTACAAAGAGCTA 2063
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCTGGCAATTAAGAAATTTACAAAGAGCAA 3090
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RESULT 13

US-09-780-669-468
; Sequence 468, Application US/09780669
; Patent No. US20020051977A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-468

Query Match 48.6%; Score 1742.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

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Qy 274 TCAATGGCAGGGTGAAGAAATAAGAAAGCGCTGCTGACCTTTACCATCTGAGGCCACACATC 333
Db 1302 TCAACTAAATAGGTGAGAAATAAGAAAGCGCTGCTGACCTTTACCATCTGAGGCCACACATC 1361
Qy 334 TGCTCAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATATATGCTTAAG 393
Db 1362 TGCTCAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATATATGCTTAAG 1421
Qy 394 TAGTGACATGTTTTTGGCACAATTTCCAGGCCCTTTAAATATATCCACACACACAGGAAGCACA 453
Db 1422 TAGTGACATGTTTTTGGCACAATTTCCAGGCCCTTTAAATATATCCACACACACAGGAAGCACA 1481
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Db 1482 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTCAATGATGATG 1541
Qy 514 CCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 573
Db 1542 CCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1601
Qy 574 TCCTTAAAGGATGGCAGGAGAAAACAGATCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 633
Db 1602 TCCTTAAAGGATGGCAGGAGAAAACAGATCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1661
Qy 634 AGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAAT 693
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Db 1722 CTTGATGCTTCACAAAGACATGCAACAAACAAATGGAATCTGCTGATGACATGAGGCGAG 1781
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Db 1782 CCAAGCTGGGAGAGATAAACACCGGGCAGAGGCTCAGGATTTCTGGCCCTCTGCTGCTAA 1841
Qy 814 ACTGTGCGTTCAATACCAAAATCAATTTCTAAACCTCAAAACAAAGCTGTTGTA 873
Db 1842 ACTGTGCGTTCAATACCAAAATCAATTTCTAAACCTCAAAACAAAGCTGTTGTA 1901
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Db 1902 TATCTGATCTCTAGGTTCTCTGGGCGCAACATTTCTCCATATATCCAGCCACACTCAT 1961
Qy 934 TTTTAAATTTAGTTTCCAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 993
Db 1962 TTTTAAATTTAGTTTCCAGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2021
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Db 2022 TCATTTTGTCAAAGACCCCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2081
Qy 1054 GGAGTGTCTGGCCCGGAGTCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1113
Db 2082 GGAGTGTCTGGCCCGGAGTCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
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Db 2142 GGTATATCTTACTAGCACACAGCATGATCATTCGAGTGAATTAATCTAATCAACATCAT 2201
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Qy 1234 TCMAAATGTCATTCATTAATATACAGGATTAATCTTTTAACTGGAAGATTC 1293
Db 2262 TCMAAATGTCATTCATTAATATACAGGATTAATCTTTTAACTGGAAGATTC 2321
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[illegible]

QY 1114 GGTTATCTTACTAGCACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCAT 1173
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2142 GGTTATCTTACTAGCACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCAT 2201
QY 1174 CCTCAGTGTCTTTGGCCCATACTGAAATTCATTTCCCATCTTTTGTGCCCCATTTCAAGACC 1233
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2202 CCTCAGTGTCTTTGGCCCATACTGAAATTCATTTCCCATCTTTTGTGCCCCATTTCAAGACC 2261
QY 1234 TCAAAATGTCATTCCCATTAATATACAGGATTAACCTTTTTTTTTTTTAAACCTGGAAGATTC 1293
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2262 TCAAAATGTCATTCCATTAATATACAGGATTAACCTTTTTTTTTTTTAAACCTGGAAGATTC 2321
QY 1294 AATGTTACATGAGCTATGGGAATTTAATTACATATTTTGTGTTTCCAGTGCAGAGATGAC 1353
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2322 AATGTTACATGAGCTATGGGAATTTAATTACATATTTTGTGTTTCCAGTGCAGAGATGAC 2381
QY 1354 TAAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTTA 1413
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2382 TAAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTTA 2441
QY 1414 GCCTTGCTAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1472
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2442 GCCTTGCTAGGCTGTATACAGCAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
QY 1473 ATCACCATCAACCCCTCCCATACCACCTAAACAAATCTAATCTGTAATTCCTTGAACAT 1532
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2502 ATCACCATCAACCCCTCCCAT- GCACCTAAACAAATCTAATCTGTAATTCCTTGAACAT 2560
QY 1533 GTCAGGACATACATATTTCTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAAATCTAGAA 1592
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2561 GTCAGG-CATACATATTTCTCTGCTGAGAGCTCTTCTTGTCTCTTAAATCTAGAA 2619
QY 1593 TGATGTAAAGTTTGAATTAAGTTGACTCTTACTTTTCATGCAAGAGGACACATATGA 1652
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2620 TGATGTAAAGTTTGAATTAAGTTGACTCTTACTTTCATGCAAGAGGACACATATGA 2679
QY 1653 GATTCATCATCATGAGACAGCAATCTAAAAGTGAATTTGATTAAGAGTTTAGA 1712
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2680 GATTCATCATCATGAGACAGCAATCTAAAAGTGAATTTGATTAAGAGTTTAGA 2739
QY 1713 TAAATATATGAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTG 1772
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2740 TAAATATATGAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTG 2799
QY 1773 GGATGTGAAGCAAGCAGGGAACCTCATAGTATCTTATATATATATCTTCAATTTCTCTA 1832
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2800 GGATGTGAAGCAAGCAGGGAACCTCATAGTATCTTATATATATATCTTCAATTTCTCTA 2859
QY 1833 TCTCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCCAAAGG 1892
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2860 TCTCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCCAAAGG 2919
QY 1893 TAACTTTTATCCATTTTCATGCTGAGTGCCTTTAGAAATTTGGGCAATCATCTGCTAC 1952
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2920 TAACTTTTATCCATTTTCATGCTGAGTGCCTTTAGAAATTTGGCAATCATCTGCTAC 2979
QY 1953 TTATCTCAACTTTGAGATGTGTTGTCCTTGTAGTTAATTGAAAGAAATAGGGCACTCTT 2012
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2980 TTATCTCAACTTTGAGATGTGTTGTCCTTGTAGTTAATTGAAAGAAATAGGGCACTCTT 3039
QY 2013 GTGAGCCACTTTAGGGTTCACTCTTGGCAATTAAGAAATTTACAAAGAGCTA 2063
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
3040 GTGAGCCACTTTAGGGTTCACTCTTGGCAATTAAGAAATTTACAAAGAGCA 3090

Search completed: August 23, 2005, 20:52:56
Job time : 4203.72 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
C 1	31.4	0.9	50	4	US-09-513-9990-15568	Sequence 15568, A	
C 2	30.6	0.9	50	4	US-09-513-999C-15254	Sequence 15254, A	
C 3	30.4	0.8	46	1	US-08-222-177A-346	Sequence 346, App	
C 4	30	0.8	41	3	US-09-144-367-46	Sequence 46, Appl	
C 5	30	0.8	46	1	US-08-222-177A-226	Sequence 226, App	
C 6	30	0.8	47	1	US-08-222-177A-83	Sequence 83, Appl	
C 7	30	0.8	47	1	US-08-222-177A-92	Sequence 92, Appl	
C 8	30	0.8	47	1	US-08-222-177A-221	Sequence 221, App	
C 9	30	0.8	50	1	US-08-222-177A-95	Sequence 95, Appl	
C 10	30	0.8	50	1	US-08-222-177A-186	Sequence 186, App	
C 11	30	0.8	50	1	US-08-222-177A-379	Sequence 379, App	
C 12	29.8	0.8	39	1	US-08-222-177A-331	Sequence 331, App	
C 13	29.6	0.8	42	1	US-08-222-177A-53	Sequence 53, Appl	
C 14	29.6	0.8	42	1	US-08-222-177A-340	Sequence 340, App	
C 15	29.6	0.8	43	1	US-08-222-177A-370	Sequence 370, App	
C 16	29.6	0.8	44	1	US-08-222-177A-195	Sequence 195, App	
C 17	29.6	0.8	44	4	US-09-443-199C-1019	Sequence 1019, Ap	
C 18	29.6	0.8	46	1	US-08-222-177A-101	Sequence 101, App	
C 19	29.6	0.8	47	1	US-08-222-177A-122	Sequence 122, App	
C 20	29.6	0.8	47	1	US-08-222-177A-409	Sequence 409, App	
C 21	29.6	0.8	48	4	US-09-443-199C-1017	Sequence 1017, Ap	
C 22	29.2	0.8	40	1	US-08-222-177A-152	Sequence 152, App	
C 23	29	0.8	47	4	US-09-422-978-1894	Sequence 1894, Ap	
C 24	29	0.8	40	1	US-08-222-177A-328	Sequence 328, App	
C 25	28.8	0.8	35	1	US-08-222-177A-77	Sequence 77, Appl	
C 26	28.8	0.8	42	1	US-08-222-177A-343	Sequence 343, App	
C 27	28.8	0.8	45	1	US-08-222-177A-364	Sequence 364, App	

[illegible]

Search completed: August 24, 2005, 09:57:46
Job time : 780.67 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 3707.42 Seconds
(without alignments)
6277.132 Million cell updates/sec

Title: US-09-402-713C-6

Perfect score: 3582

Sequence: 1 acagaagaataagcaagtgc.....tgattctttgttacaacttt 3582

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10

Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*

2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*

3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*

4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*

5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*

6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*

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9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*

10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*

11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*

12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*

13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*

14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*

15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*

16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*

17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*

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19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*

20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*

21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*

22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*

23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*

24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*

25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*

26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	50	1.4	50	10	US-09-996-953-4
C 2	50	1.4	50	24	US-11-085-060-4
C 3	40	1.1	40	22	US-10-880-425A-14
C 4	40	1.1	40	22	US-10-880-425A-19
C 5	40	1.1	50	10	US-09-996-953-5
C 6	40	1.1	50	24	US-11-085-060-5
C 7	38	1.1	38	22	US-10-880-425A-31
C 8	35	1.4	35	22	US-10-880-425A-35
C 9	31.6	0.9	31.6	48	US-10-085-906-234
C 10	31.2	0.9	31.2	48	US-09-263-959-775
C 11	31.2	0.9	31.2	48	US-10-880-425A-32
C 12	31.2	0.9	31.2	48	US-10-880-425A-13
C 13	30	0.8	30	22	US-10-880-425A-15
C 14	30	0.8	30	22	US-10-880-425A-18
C 15	30	0.8	30	22	US-10-880-425A-20
C 16	30	0.8	30	22	US-10-146-575-46
C 17	30	0.8	30	22	US-09-852-903C-28
C 18	30	0.8	30	22	US-09-971-353-33
C 19	30	0.8	30	22	US-09-263-959-571
C 20	30	0.8	30	22	US-09-852-903C-29
C 21	30	0.8	30	22	US-10-085-906-114
C 22	30	0.8	30	22	US-10-085-906-306
C 23	30	0.8	30	22	US-10-407-818-6
C 24	30	0.8	30	22	US-10-484-784-28
C 25	30	0.8	30	22	US-09-852-903C-23
C 26	30	0.8	30	22	US-09-909-317-7
C 27	29.6	0.8	29.6	44	US-09-852-903C-27
C 28	29	0.8	29	47	US-10-349-143-1894
C 29	28.8	0.8	28.8	50	US-10-880-425A-36
C 30	28.4	0.8	28.4	34	US-10-880-425A-28
C 31	28.2	0.8	28.2	44	US-09-263-959-797
C 32	28	0.8	28	36	US-09-852-903C-23
C 33	28	0.8	28	36	US-09-909-317-7
C 34	28	0.8	28	38	US-09-852-903C-24
C 35	28	0.8	28	39	US-09-263-959-678
C 36	28	0.8	28	40	US-09-852-903C-25
C 37	28	0.8	28	40	US-10-661-088-24
C 38	28	0.8	28	40	US-10-661-097-24
C 39	28	0.8	28	40	US-10-661-355-24
C 40	28	0.8	28	40	US-10-661-099-24
C 41	28	0.8	28	40	US-10-661-415-24
C 42	28	0.8	28	40	US-10-661-403-24
C 43	28	0.8	28	40	US-10-661-403-24
C 44	28	0.8	28	41	US-09-263-959-495
C 45	28	0.8	28	42	US-09-852-903C-26

ALIGNMENTS

RESULT 1

US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; FILE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.010000
; CURRENT APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

Query Match 1.4%; Score 50; DB 10; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

[illegible]

; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 0.8%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 AGAAGCTGGCATCAGAAAACAGAGGGGAG 52
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Db 1 AGAAGCTGGCATCAGAAAACAGAGGGGAG 30

RESULT 14

US-10-880-425A-15
; Sequence 15, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match 0.8%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 279 GGCAGGGGTGAGAAATAGAAAGGCTGCTG 308
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Db 1 GGCAGGGGTGAGAAATAGAAAGGCTGCTG 30

RESULT 15

US-10-880-425A-18
; Sequence 18, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-18

Query Match 0.8%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ACAGAGAAATAGCAAGTCCCGAGAGGCTG 30

Search completed: August 25, 2005, 00:56:06
Job time : 3708.42 secs

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